# Aristel™

# System Programming Manual

## FOR ALL AV-SERIES SYSTEMS

Aristel Group

*The Best In Telecommunications*

# CONTENTS

# Programming Initialization

## Introduction:
There are six different programming zone groups contained in the system. This section details, in easy to follow instruction, the information necessary to program the system.

## System Programming:
Access to the system programming zone is restricted to personnel with the "Programming Password". Because it can check the programming steps and information during the programming only **LCD Key Phones** can be used for programming. The programming functions are represented by the following six (6) programming zone groups.

- **Zone Group 1 (Zone Number 100 ~ 199):**
  System Timing setting. The timing is defined as a unit. A total of 255 units can be selected.
- **Zone Group 2 (Zone Number 200 ~ 299):**
  System Parameter Setting.
- **Zone Group 3 (Zone Number 300 ~ 399):**
  System Function - 1 setting.
- **Zone Group 4 (Zone Number 400 ~ 499):**
  System Function - 2 settings.
- **Zone Group 5 (Zone Number 500 ~ 599):**
  Station Function setting.
- **Zone Group 6 (Zone Number 600 ~ 699):**
  CO Function setting.

## Entering System Programming

### ■ On Hook Programming
Step 1.   On Hook.

Step 2.   Press [FUNC] + [#]. System will ask for Programming Password.
Step 3.   Enter Programming Password. (If password in Program Zone 301-01 is "dd... " then ignore this step.)
Step 4.   Press [SAVE].
Step 5.   If the system denies the password a continuous tone will be heard. Press [SPK] to quit the programming status and restart from Step 2. If the system accepts the password you can now enter the system programming and the LCD phone will display the following message.
Step 6.    Enter the zone number in which you wish to set the data.
Step 7.   Press [SAVE] to confirm the setting data and it will be stored in the system memory. The programming will go on to the next step automatically.
Step 8.   Press [FUNC] key at any time to return to the main message.

---

**NOTE 1:**   1. The current programming status will be displayed on LCD.
2. There are 16 characters divided by two (2) lines in LCD display.  The upper line is the ROGRAMMING STATUS AREA. The lower line is the SETTING DATA AREA.

---

### ■ On Call Programming
Step 1.   During the call press [SPD] key.
Step 2.   Repeat from Step 2 in "On Hook Programming".

## Function Keys During System Programming

- **15 Buttons Key Telephone**
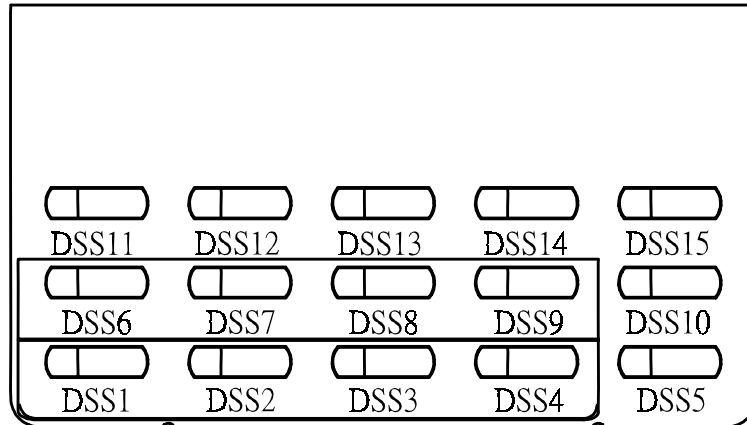


| Function Keys | Function Illustration |
|---|---|
| [DSS1] | Back to the previous Program Zone |
| [DSS2] | Forward to the next Program Zone. |
| [DSS3] | Shifts cursor left. |
| [DSS4] | Shifts cursor right. |
| [DSS5] | Changes the Function Condition for the DSS key in Key Group Assignment. |
| [DSS6] | Help List. |
| [DSS10] | Clears all digits to be blank (or "d") in the current zone area. |
| [DSS11] | Saves the setting data to the system memory. |
| [DSS12] | Clear the current digit to "T" (Tone). |
| [DSS13] | Clear the current digit to "p" (Pause). |
| [DSS14] | Clear the current digit to "d" (Do Not Care). |
| [DSS15] | Clear the current digit to "_" (or "F") (Inhibit). |

- **25 Buttons Key Telephone**
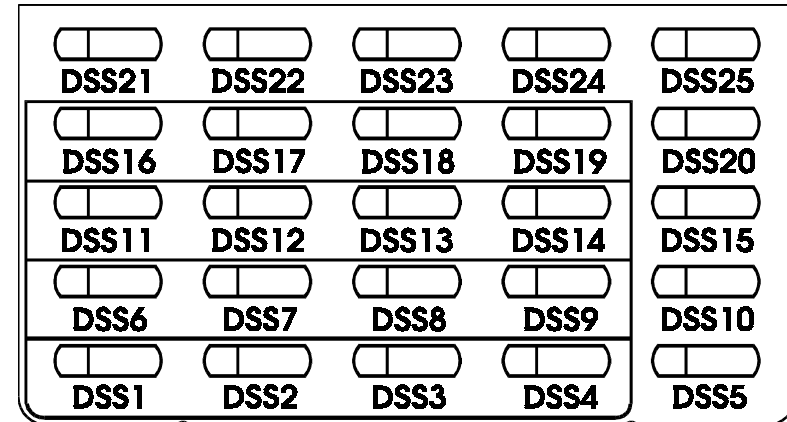


| Function Keys | Function Illustration |
|---|---|
| [DSS1] | Back to the previous Program Zone |
| [DSS2] | Forward to the next Program Zone. |
| [DSS3] | Shifts cursor left. |
| [DSS4] | Shifts cursor right. |
| [DSS5] | Changes the Function Condition for the DSS key in Key Group Assignment. |
| [DSS10] | Clears all digits to be blank (or "d") in the current zone area. |
| [DSS15] | Clear the current digit to "_" (or "F") (Inhibit). |
| [DSS20] | Clear the current digit to "d" (Do Not Care). |
| [DSS21] | Help List. |
| [DSS23] | Clear the current digit to "P" (Pause). |
| [DSS24] | Clear the current digit to "T" (Tone). |
| [DSS25] | Saves the setting data to the system memory. |

# Entering Programming Help List

The Programming Help List is to help users review each programming zone if the zone function is forgotten or the Programming Manual is not available. During Help List the name of the zone and the programming status will be displayed on the LCD display for three (3) seconds before moving to the next zone number automatically.

Step 1. On Hook.
Step 2. Press [FUNC] + [#] + [DSS21] to enter Programming Help List.
Step 3. Press [SAVE] key during Help List for direct access to the system programming in the same zone area. The system data can then be programmed.

## Function Keys During Programming Help List

● **15 Buttons Key Telephone**

| Function Keys | Function Illustration |
|---|---|
| [DSS1] | Back to the previous Zone Group. |
| [DSS2] | Forward to the next Program Zone Group. |
| [DSS3] | Back to the previous Zone Number. |
| [DSS4] | Forward to the next Zone Number. |

● **25 Buttons Key Telephone**

| Function Keys | Function Illustration |
|---|---|
| [DSS1] | Back to the previous Zone Group. |
| [DSS2] | Forward to the next Program Zone Group. |
| [DSS3] | Back to the previous Zone Number. |
| [DSS4] | Forward to the next Zone Number. |

# System Programming

## ■ System Timing Parameter (Zone 100 ~ 199)

### 100 Pause Time

**Aristel** ---

```
100 Pause
Time=020 (*40ms)
```

AV *SERIES*
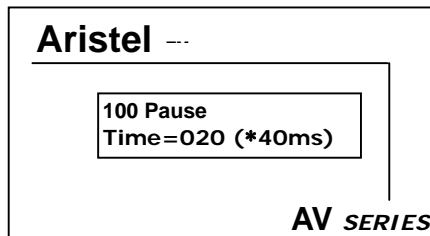
<--     **Program Status Area**

<--     **SSS=000~255**

**Def.=020=20x40=800 ms**

<--     **SSS=000~255**

**Def.=020=20x40=800 ms**

**Description:**

A Pause Time is a time duration for a temporary pause. The letter "p" is the representative icon and is displayed in the LCD of the Key Phone when "PAUSE" key[NOTE 2] is pressed during outgoing dialing. Commonly used in Speed Dial, Redial and Auto Redial functions. When an outgoing call is made using Speed Dial, Redial or Auto Redial, the system will automatically display a Pause Setting Time if "p" is used in the dialing digits.

**NOTE 2:**  1. During outgoing dialing, "p" = [FUNC] key.

2. During System Speed Dial programming, "p" = [DSS23] key.

**Interrelation Zones: Program Zones 232 and 404**

101 DTMF Generation Time

**Aristel** ---

```
101 DTMF
Time=055 (*2ms)
```

AV *SERIES*
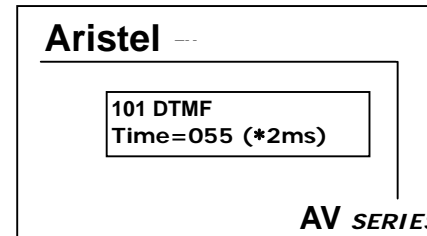
<--   **Program Status Area**

<--   **SSS=000~255**

**Def.=055=55x2=110 ms**

**Description:**

DTMF Generation Time is the length of time needed to generate a DTMF signal for each outgoing dialing digit under DTMF or Tone (T) dialing mode.

**Interrelation Zones: Program Zone 604-CO-2=1**

### 102     SLT Release Time

**Aristel** ---

```
102 SLT Release
Time=150 (*6ms)
```

AV *SERIES*
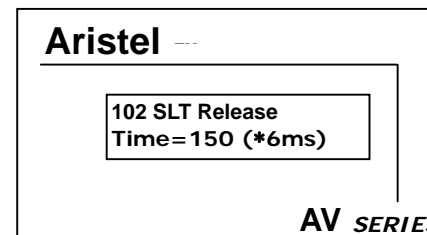
<--   **Program Status Area**

<--   **SSS=000~255**

**Def.=150=150x6=900 ms**

**Description:**

SLT Release Time is a time length of ON-HOOK or HOOK FLASH to indicate the disconnection status for Single Line Telephone (SLT). If the ON-HOOK or HOOK FLASH meets, or exceeds the setting time the call will then be disconnected immediately, and if shorter than SLT Release Time

but greater than SLT Hold Time (Program Zone 103) the call will be put into Hold status automatically.

Interrelation Zone:   Program Zone 103

## 103     SLT Hold Time

**Aristel** —

103 SLT Hold
Time=020 (*6ms)

AV *SERIES*
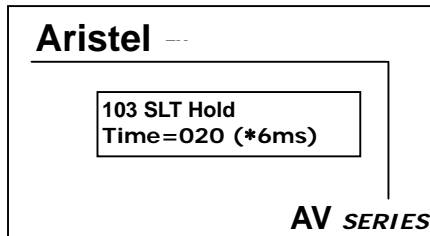
<-- **Program Status Area**

<-- **SSS=000~255**

  **Def.=020=20x6=120 ms**

**Description:**

SLT Hold Time is the duration time for ON-HOOK or HOOK-FLASH to indicate the hold status for Single Line Telephone (SLT). If the duration time of ON-HOOK or HOOK-FLASH meets, or exceeds the setting time, but is shorter than SLT Release Time (see Program Zone 102) the call will be placed into Hold status; but if shorter than the setting time then no action will occur or maybe become a pulse digit.

On Hook C or Hook-Flash C

On Hook B or Hook-Flash B

On Hook A or Hook-Flash A

During Conversation

Zone 103
SLT Hold Time

Zone 102
SLT Release Time
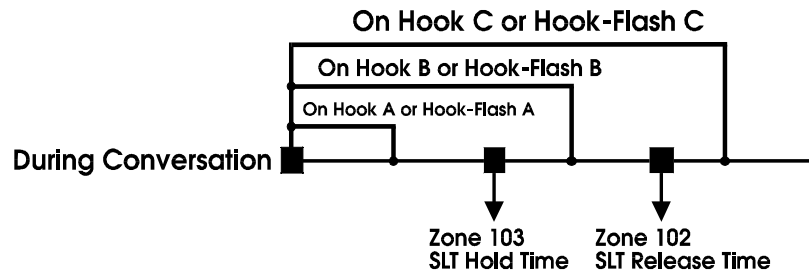
● **On Hook A or Hook-Flash A:** No  action  (retain  existing  status)  or

maybe become a pulse digit.

● **On Hook B or Hook-Flash B:**   The call will be held.

● **On Hook C or Hook-Flash C:**   The call will be disconnected.

Interrelation Zone:   Program Zone 102

## 104     Ring On Time

**Aristel** —

104 Ring On
Time=006 (*40ms)

AV *SERIES*
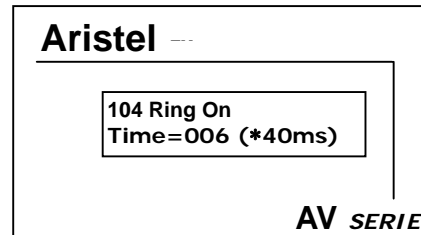
<-- **Program Status Area**

<-- **SSS=000~255**

  **Def.=006=6x40=240 ms**

**Description:**

Ring On Time is the minimum duration of the Incoming Ringing signal. If the system detects it steady on the CO line audio path as the setting time then it will be recognized by the system as a Real Incoming Call Ringing.

Interrelation Zones: None

## 105    Ring Off Time

**Aristel** —

| 105 Ring Off<br>Time=004 Sec |
| --- |

AV *SERIES*
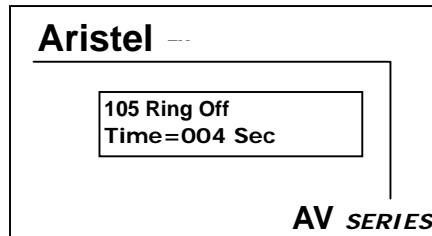
<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=004=4 sec.**

### Description:

Ring Off Time is the maximum time duration between ring bursts of an incoming call for the system to identify an abandoned incoming call.

| Interrelation Zones: None |
| --- |

## 106    Flash Time for Key Phone & Overriding Flash Time for PSTN Line

**Aristel** —

| 106 Flash (KP)<br>Time=015 (*40ms) |
| --- |

AV *SERIES*
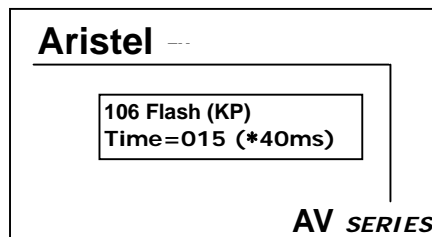
<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=015=15x40=600 ms**

### Description:

■ **Flash Time for Key Phone**
  Flash Time is a time specification of [FLASH] key on key telephone and allows the user to terminate an external call but still retain the same line for another outgoing call. The time must coincide with the termination time of the CO.

■ **Overriding Flash Time for PSTN Line ( [#]+[5]+[9] )**

When the internal station is engaged with a CO line, any other incoming call through PSTN to the internal station on the same engaged CO line, the system can send a FLASH signal to the PSTN as soon as the internal station dials [**#**][**5**][**9**] to ask PSTN to switch the internal station between these two PSTN calls. The timing of the FLASH signal is programmed here.

● The function is provided by the PSTN itself; therefore, the user must apply for such function from your PSTN first.

● [The Time in **PROGRAM ZONE 106**] − [Flash signal Time of PSTN] ≥ **40ms**.

### OPERATION EXAMPLE:

**Step 1.** Station is engaged with external party A on a CO line.

**Step 2.** Another external party B makes incoming call to the station through the same engaged CO line, the PSTN will send "Overriding Alert Tone" to the station.

**Step 3.** During the station hearing the "Overriding Alert Tone", the station must puts the engaged CO line on hold first and then dials **[#] + [5] + [9]**.

**Step 4.** The system will send out a FLASH signal which the timing is setup in **PROGRAM ZONE 106** to PSTN. As soon as PSTN receives the FLASH signal sent from the system will puts the external party A on hold and connect external party B to the station.

**Step 5.** Station can repeat the above Step 3 and Step 4 to talk to either the external party A or the external party B. If station hangs

up the call during the conversation will disconnected both external parties.

Interrelation Zones: None

## 107     Hold Recall Time

**Aristel** ‒‒

107 Hold Recall
Time=090 Sec

**AV** *SERIES*

**<-- Program Status Area**

**<-- SSS=000~255**

**Def.=090=90 sec.**
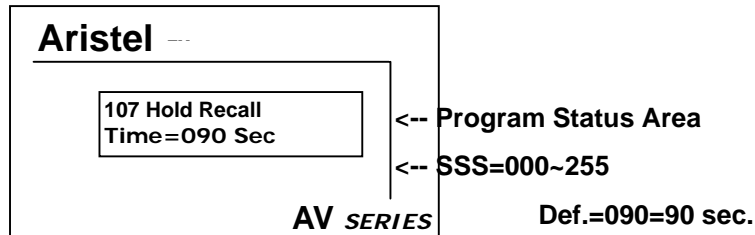
**Description:**

If the held call is not retrieved prior to the Hold Recall Time being reached, it will revert to the holding station.

● If the held call is still not answered after a pre-determined Hold Recall Timeout (see Program Zone 108) it will automatically transfer to the Attendant Console in the same station group as the holding station.

Interrelation Zone:   Program Zone 108

## 108     Hold Recall Timeout

**Aristel** ‒‒

108 Hold Recall
Timeout=030 Sec

**AV** *SERIES*

**<-- Program Status Area**

**<-- SSS=000~255**

**Def.=030=30 sec.**
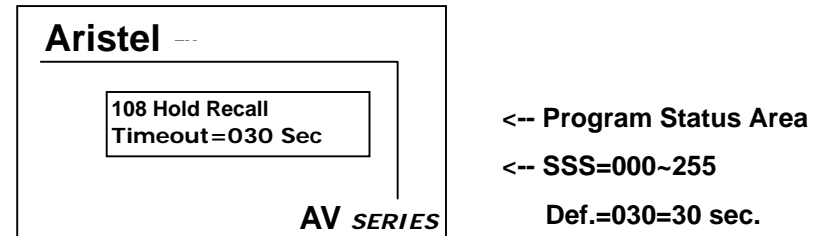
**Description:**

If the held call reverts to the holding station and is not answered before the setting time is reached, it will be transferred to an available console in **PROGRAM ZONE 400-GP-IP** which console's group is the same station group as the holding station in **PROGRAM ZONE 503-ST-1**.
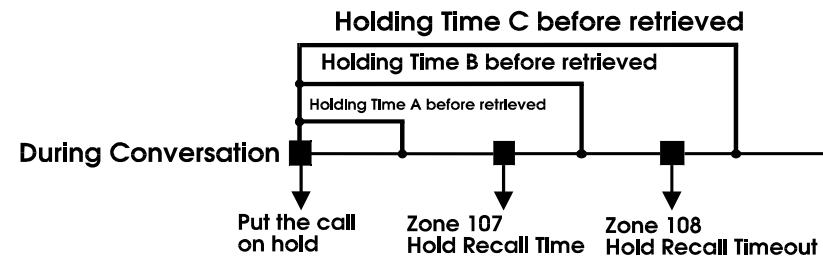


● **Holding Time A:**  The held call does not revert to the holding station.
● **Holding Time B:**  The held call reverts back to the holding station.
● **Holding Time C:**  The held call reverts back to the Attendant Console.

Interrelation Zone:    Program Zone 107, 400-GP-IP and

# 109    Exclusive Hold Recall Time

**Aristel** –

```
┌─────────────────────┐
│ 109 XHold Recall    │
│ Time=090 Sec        │
└─────────────────────┘
```

AV *SERIES*
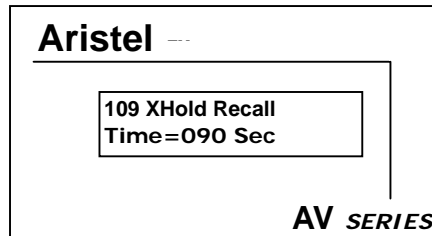
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=090=90 sec.**

**Description:**

If the exclusive held call is not retrieved prior to the setting time being reached it will revert to the holding station.

**Interrelation Zone:   Program Zone 110**

# 110    Exclusive Hold Recall Timeout

**Aristel** –

```
┌─────────────────────┐
│ 110 XHold Recall    │
│ Timeout=030 Sec     │
└─────────────────────┘
```

AV *SERIES*
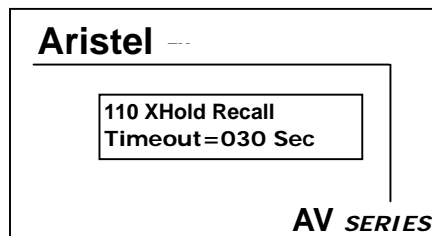
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=030=30 sec.**

**Description:**

If the exclusive held call reverts to the exclusive holding station and is not answered before the setting time is reached, it will be transferred to an available console in **PROGRAM ZONE 400-GP-IP** which console's group is the same station group as the holding station in **PROGRAM ZONE 503-ST-1**.

Holding Time C before retrieved

Holding Time B before retrieved

Holding Time A before retrieved

During Conversation

Put the call on exclusive hold

Zone 109 Hold Recall Time

Zone 110 Hold Recall Timeout
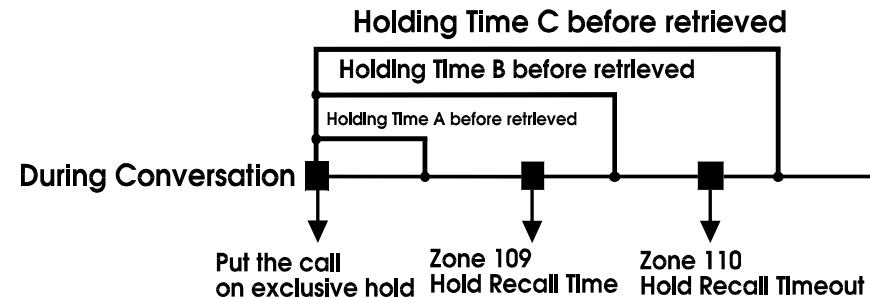
- **Holding Time A:** The held call does not revert to the holding station.
- **Holding Time B:** The held call reverts to the holding station.
- **Holding Time C:** The held call reverts to the Attendant Console.

**Interrelation Zone:      Program Zone 109, 400-GP-IP and**

# 111    SLT Dial Tone Timeout

**Aristel** –

```
┌─────────────────────┐
│ 111 SLT DT          │
│ Timeout=015 Sec     │
└─────────────────────┘
```

AV *SERIES*
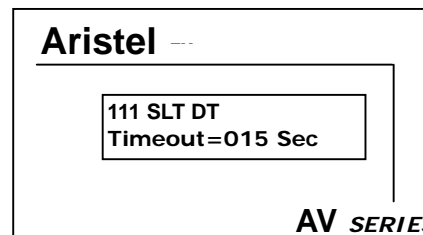
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=015=15 sec.**

**Description:**

On lifting the handset of the SLT a dial tone will be followed by a busy tone if no digits have been dialed prior to the setting time being reached.

If the setting time exceeds 5 seconds, any of the following ON-HOOK operations from the key phone will have the same limit. If the setting time is **less than 5 seconds** the following operations will be restricted when the 5

seconds setting time is reached.

- Pressing [SPK[ key without dialing.
- Pressing [FUNC] key without dialing.
- Accessing a CO line without dialing.
- Pressing [SPD] key without dialing.
- Pressing [∗] key without dialing.

Interrelation Zones: None

## 112    SLT Inter-Dialing Timeout

**Aristel** ---

112 SLT In_Dial
Timeout=035 Sec

AV *SERIES*
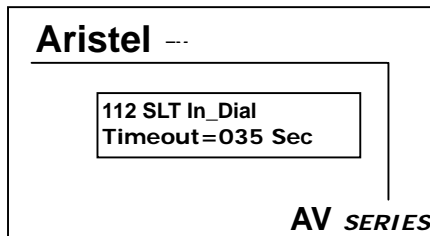
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=035=35 sec.**

**Description:**

If the dialing time between any two (2) digits is longer than the setting time the busy tone will be heard.

Interrelation Zones: None

## 113    Transfer Busy Recall Timeout

**Aristel** ---

113 Trf Busy Rc
Timeout=030 Sec

AV *SERIES*
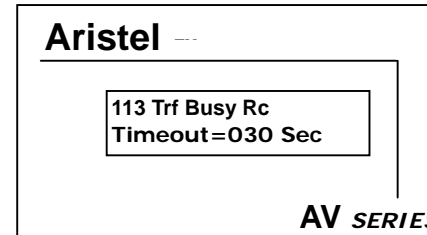
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=030=30 sec.**

**Description:**

If an incoming call is transferred to a busy station and is not answered prior to the setting time being reached, the call will be diverted to the transferring station.

Interrelation Zone:   Program Zone 114

## 114    Transfer No Answer Recall Timeout

**Aristel** ---

114 Trf NoAns Rc
Timeout=030 Sec

AV *SERIES*
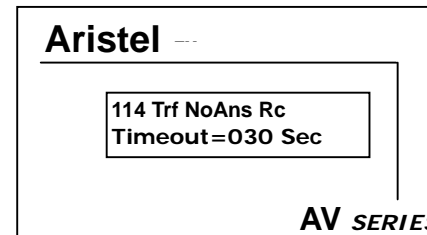
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=030=30 sec.**

**Description:**

Incoming call is transferred to a free station and not answered prior to the setting time being reached will be diverted to the transferring station.

Interrelation Zone:   Program Zone 113

## 115    CFW No Answer Transfer Time

**Aristel** ─

> 115 CFW NoAns Tr
> Timeout=010 Sec

AV *SERIES*
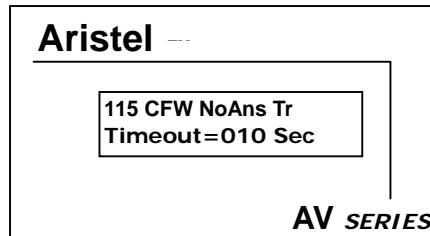
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=010=10 sec.**

**Description:**

When calling a free station A which is programmed Call Forward No Answer to station B, if station A doesn't answer prior to the setting being reached, the call will be transferred to station B.

**Interrelation Zone:   Program Zone 113**

## 116    DISA No Answer Transfer Timeout

**Aristel** ─

> 116 DISA No Ans
> Timeout=025 Sec

AV *SERIES*
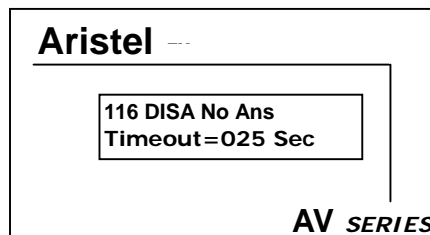
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=025=25 sec.**

**Description:**

When DISA call to an internal free station is not answered prior to the setting time being reached the call will be transferred to the Attendant Console according to **PROGRAM ZONE 219**.

**Interrelation Zones:    Program Zones 218, 219, and**

## 117    DISA No Dialing Transfer Timeout

**Aristel** ─

> 117 DISA No Dial
> Timeout=005 Sec

AV *SERIES*
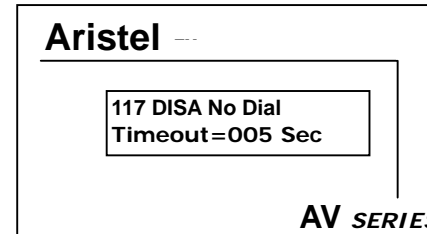
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=005=5 sec.**

**Description:**

If DISA call is answered by the system and no digits are entered prior to the setting time being reached, the call will be transferred to the Attendant Console according to **PROGRAM ZONE 219**.

**Interrelation Zones:    Program Zones 219, 400 and**

## 118    DISA Enable Delay Time 1

**Aristel** ─

> 118 DISA Delay
> Time=000 Sec

AV *SERIES*
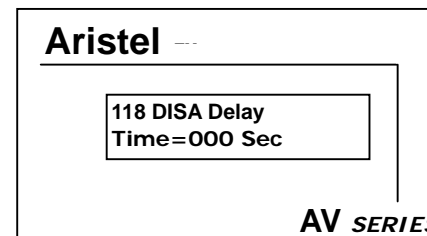
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=000=0 sec.**

**Description:**

If CO line is assigned in **PROGRAM ZONE 603-CO-2 = 0 or 1**, DISA incoming through such CO line will be answered by the system as soon as

the setting time is reached.

Interrelation Zone:     Program Zones 604-CO-2 and

---

## 119      DISA Engaged Time

**Aristel** ---

119 DISA CO Time
Time=190 Sec

<-- Program Status Area

<-- SSS=000~255

AV *SERIES*
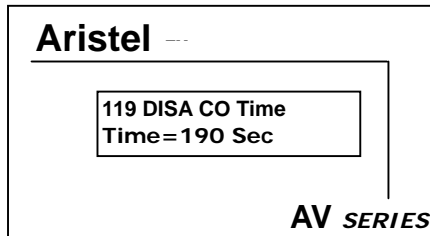
Def.=190=190 sec.

**Description:**

Determines the amount of time a DISA line can be used during External Call Forward (ECF) or when making another outgoing call. The engaged timing of 3-parties conference is also restricted by this parameter.

Interrelation Zone:   Program Zone 604-CO-3

---

## 120      Auto Redial Waiting Time (On Hook)

**Aristel** ---

120 AT-Red Wait
Time=010 Sec

<-- Program Status Area

<-- SSS=000~255

AV *SERIES*
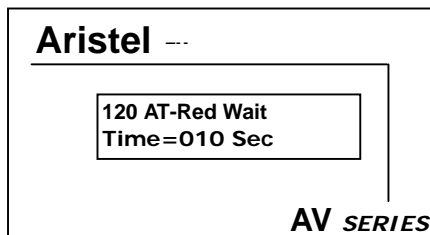
Def.=010=10 sec.

**Description:**

Once the auto-redial function is activated and the handset is not picked up

prior to the setting time being reached, the CO line will be automatically disconnected by the system. The auto-redial function will be placed into Auto Redial Pause Time status in **PROGRAM ZONE 121**.

This process **(PROGRAM ZONE 120 + 121)** is repeated for the number of times defined in **PROGRAM ZONE 223,** cancelled by the caller releasing the line manually or picking up the handset.

Interrelation Zones: Program Zones 121 and 223

---

## 121      Auto Redial Pause Time (On Hook)

**Aristel** ---

121 AT-Red Pause
Time=010 Sec

<-- Program Status Area

<-- SSS=000~255

AV *SERIES*
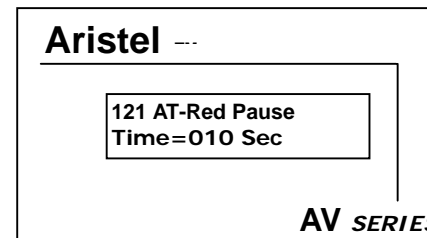
Def.=010=10 sec.

**Description:**

Determines the time between CO line disconnection and re-access during Auto-Redial function.

Interrelation Zones: Program Zones 120 and 223
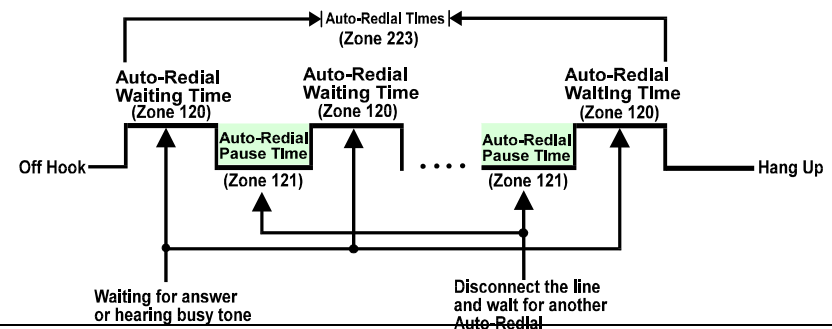
## 122    Busy Reminder Interval Time

**Aristel** --

| 122 Busy Rem ICM
| Time=020 Sec |

AV *SERIES*
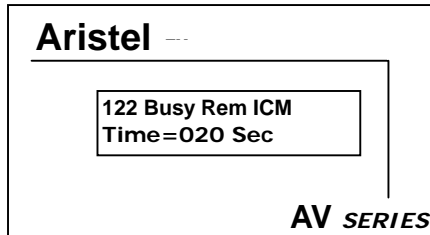
<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=020=20 sec.**

**Description:**

When an incoming call rings or to be transferred to a busy station a tone will be heard at intervals set in this parameter to remind the busy station. If the busy station is the 25 buttons key phone the reminder tone will be heard from the speaker, and from the handset if it is a SLT or 15 buttons key phone. **If SSS = 000, means the function will be disabled, too.**

**Interrelation Zone:   Program Zone 229**

## 123    Incoming Hunt Ring Time

**Aristel** --

| 123 In Hunt Ring
| Time=015 Sec |

AV *SERIES*
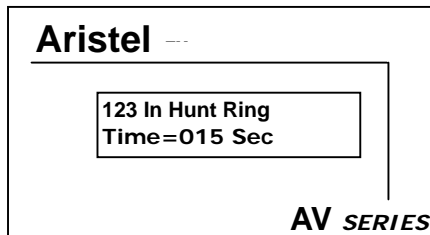
<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=015=15 sec.**

**Description:**

When an incoming call rings to a free station the call will be transferred to the next available station in the same station group if the setting time is reached before the free station answers the call. If a busy station replaces a free station the call will be transferred immediately to the next available station.

**Interrelation Zones:   Program Zones 604-CO-7(8)**

## 124    Door Sensor Detection Ringing Time

**Aristel** --

| 124 Door SensorR
| Time=000 Sec |

AV *SERIES*
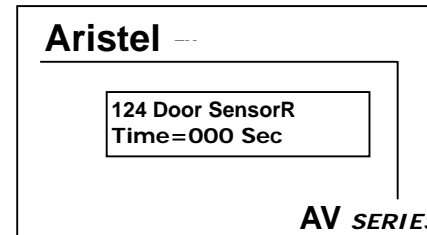
<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=000=0 sec.**

**Description:**

Determines the ringing duration on the assigned stations in **PROGRAM ZONE 602** when the door sensor has been activated and detected by the system.

**Interrelation Zone:   Program Zone 303 and 602**

## 125    Busy Tone On (I) Detection Time NOTE 3.
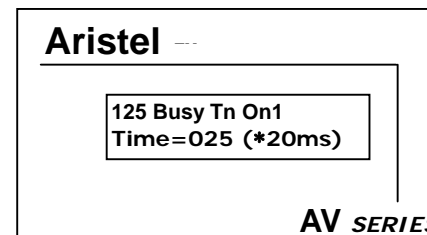
**Aristel** --

| 125 Busy Tn On1
| Time=025 (*20ms) |

AV *SERIES*

<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=025=25x20=500 ms**

**Description:**

This parameter can only work during **ECF** or when making another outgoing call through DISA. The Tone Decoder of the system will detect "On" signal of the first Busy Tone sent from CO after the external party hangs up the call. If the time of Busy Tone "On" signal on CO loop is the same as the setting time, the system will recognize Busy Tone "On" signal.

> **NOTE 3:**
> 1. The function is not available in AV-256.
> 2. The function only can be worked with Voice

> **Interrelation Zones: Program Zones 126, 221 and 233**

---

# 126    Busy Tone Off (I) Detection Time NOTE 3.

**Aristel** ---

```
126 Busy Tn Off1
Time=025 (*20ms)
```
AV *SERIES*
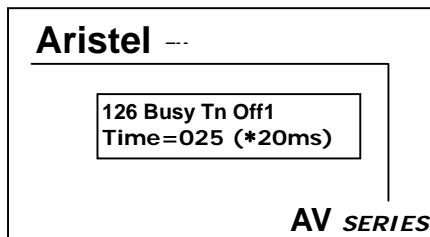
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=025=25x20=500 ms**

**Description:**

This function is the same as **PROGRAM ZONE 125** but replaced "On" signal by the "Off" signal of the first Busy Tone.

> **NOTE 4:** The complete Busy Tone (I) is only recognized by the system if the following parameters are effective.

> **Interrelation Zones: Program Zones 125, 221 and 233**

---

# 127    Busy Tone On (II) Detection Time NOTE 3.
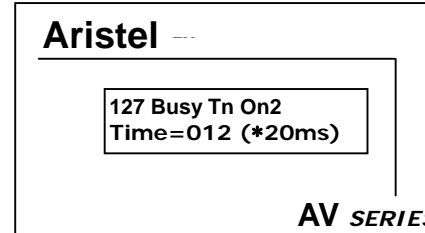
**Aristel** ---

```
127 Busy Tn On2
Time=012 (*20ms)
```
AV *SERIES*

<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=012=12x20=240 ms**

**Description:**

The same as **PROGRAM ZONE 125** but for the second type of Busy Tone detection.

> **Interrelation Zones: Program Zones 128, 221 and 233**

---

# 128    Busy Tone Off (II) Detection Time NOTE 3.

**Aristel** ---

```
128 Busy Tn Off2
Time=012 (*20ms)
```
AV *SERIES*
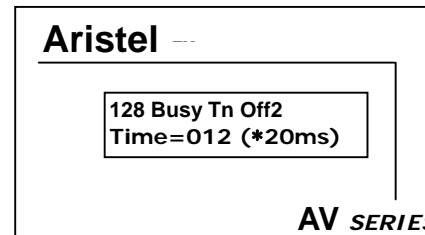
<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=012=12x20=240 ms**

**Description:**

The same as **PROGRAM ZONE 126** but for the second type of Busy Tone detection.

**Interrelation Zones: Programs Zone 127, 221 and 233**

## 129    CO Delay Time

**Aristel** ---

| 129 Swon Delay |
| Time=003 (*40ms) |

<-- **Program Status Area**

AV *SERIES*
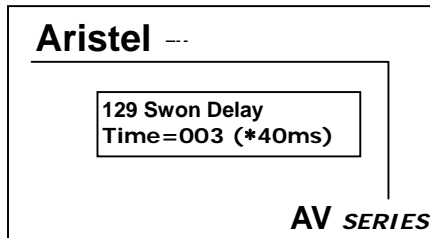
<-- **SSS=000~255**

**Def.=003=3x40=120 ms**

### Description:

When accessing a free CO line the system will delay the setting time duration to open the internal CO loop. All digits dialed during the setting delay time interval will be received by the system and will not be sent out until the setting time is reached.

**Interrelation Zone:   Program Zone 216**

## 130    CO Access Delay Time

**Aristel** ---

| 130 Co Delay tm |
| Time=000 Sec |

<-- **Program Status Area**

<-- **SSS=000~255**

AV *SERIES*
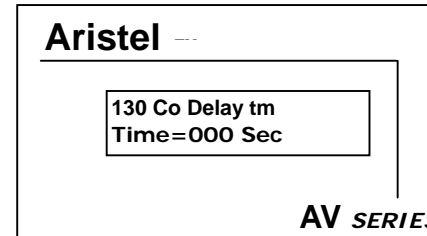
**Def.=000=0 sec.**

### Description:

A free CO line can not be retrieved after it is released until the setting time is reached.

**Interrelation Zones: None**

## 131    Door Ringing Delay Time

**Aristel** ---

| 131 Door SensorD |
| Time=000 Sec |

<-- **Program Status Area**

<-- **SSS=000~255**

AV *SERIES*
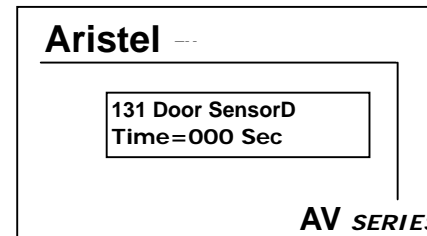
**Def.=000=0 sec.**

### Description:

When the Door Sensor is activated the assigned stations in **PROGRAM ZONE 602** will not be ringing until the setting time is reached.

**Interrelation Zone:   Program Zone 602**

# 132    Metering Pulse Delay Time

**Aristel** —

132 Meter Delay
Time=000 Sec (*40ms)

AV *SERIES*
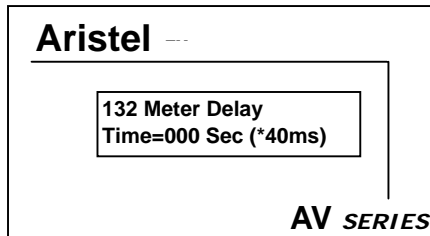
**<-- Program Status Area**

**<-- SSS=000~255**

**Def.=000=0 sec.**

**Description:**

This parameter allows the system to remain on the detection of the metering pulse during the setting time after the CO line is disconnected.

**NOTE 6:** This function is only available for AV-64 and

**Interrelation Zone:   Program Zone 251**

# 133    DISA Console Busy Transferring Time

**Aristel** —

133 Disa Wait C.
Time=015 Sec

AV *SERIES*
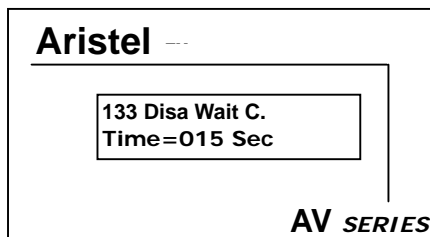
**<-- Program Status Area**

**<-- SSS=000~255**

**Def.=015=15 sec.**

**Description:**

If the DISA call is transferred to the consoles which are all busy the system will recheck the consoles and sound a reminder tone if they are still busy. During the rechecking the call will be transferred to any console found to be free or the line will then be released if all consoles are still busy after three rechecks.

**Interrelation Zone:   Program Zone 218, 219 and 400**

# 134    Incoming Delay Time

**Aristel** —

134 In Delay tm
Time=000 Sec

AV *SERIES*
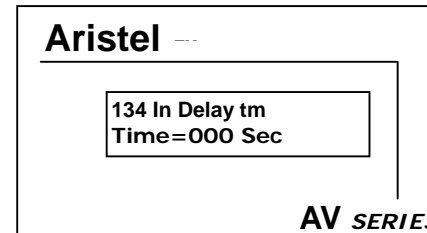
**<-- Program Status Area**

**<-- SSS=000~255**

**Def.=000=0 sec.**

**Description:**

Once the line is released the user cannot access the same CO line for outgoing calls until after the setting time is reached.

**NOTE 7:** This function only available for the Australian

**Interrelation Zones: None**

## 135　The 2nd DSS Page Remaining Time or SLT MSG Wait Silence Time

■ **The 2nd DSS Page Remaining Time**

```
Aristel ⎯
  ┌─────────────────────┐
  │ 135 Key Page tm     │
  │ Time=006 (*5Sec)    │
  └─────────────────────┘
                AV SERIES
```
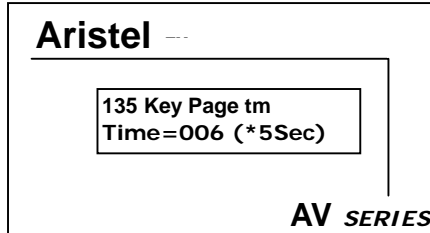
&lt;-- **Program Status Area**

&lt;-- **SSS=000~255**

　**Def.=006=6 \*5=30Sec**

**Description:**

Once the DSS Key Page is turned to the 2nd page by pressing DSS Key with FUNC CODE=80 in **PROGRAM ZONE 500-GP-IP**, it will not turn to the 1st DSS Key Page automatically until the setting time is reached.

> **Interrelation Zones:　Program Zones 500-GP-IP,**

■ SLT Message Wait Silence Time (Only available for Australia)

Refer to Example 1 in PROGRAM ZONE 136

```
Aristel ⎯-
  ┌─────────────────────┐
  │ 135 Key Page tm     │
  │ Time=060 (*5s)      │
  └─────────────────────┘
                AV SERIES
```
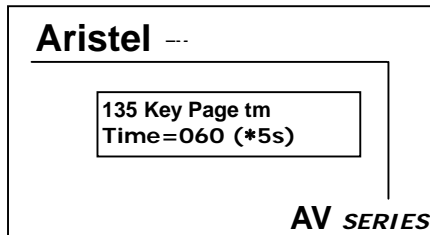
&lt;-- **Program Status Area**

&lt;-- **SSS=007~255**

　**Def.=060=300 sec.=5 min.**

**Description:**

To determine SLT silence interval between 2 ringing when leaving MSG Waiting to No Answer SLT station. **The setting value must be ≥ 007**.

---

> **Interrelation Zones: Program Zone 212**

## 136　SOS Enable Delay Time or SLT MSG Wait Ringing Time

■ **SOS Enable Delay Time**

```
Aristel ⎯-
  ┌─────────────────────┐
  │ 136 SOS Delay tm    │
  │ Time=000 Sec        │
  └─────────────────────┘
                AV SERIES
```
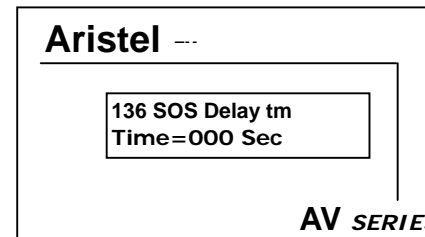
&lt;-- **Program Status Area**

&lt;-- **SSS=000~255**

　**Def.=000=6 sec.**

**Description:**

SOS function will not be enabled until the setting time is reached after the SOS sensor is activated.

> **Interrelation Zones: Program Zones 303 and 301-02**

■ **SLT MSG Wait Ringing Time (Only available for Australia)**

```
Aristel ⎯-
  ┌─────────────────────┐
  │ 136 Key Page tm     │
  │ Time=006 (*5s)      │
  └─────────────────────┘
                AV SERIES
```
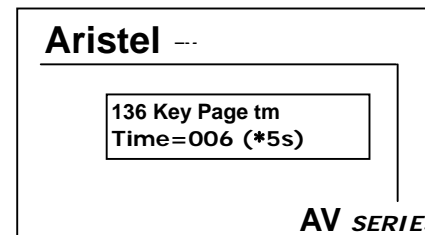
&lt;-- **Program Status Area**

&lt;-- **SSS=000~255**

　**Def.=006=30 sec.**

**Description:**

To determine the amount of the SLT ringing interval after a free SLT station has been left the MSG Waiting.

Interrelation Zones:    Program Zone 212

**Example 1: PROGRAM ZONE 135=060 and PROGRAM ZONE 136=006**

Step 1. Station makes intercom to call a free SLT station.

Step 2. Station presses [MSG] function key (if it is key phone) or digit [6] (if it is SLT) to leave message waiting to free SLT station during hearing ring back tone.

Step 3. Free SLT station will stop ringing immediately for 5 minutes (**PROGRAM ZONE 135=060=300sec.=5 min.**) and then have 30 seconds ringing (**PROGRAM ZONE 136=006=30sec.**), and then 5 minutes silence + 30 seconds ringing. Please refer to the following diagram:

Free SLT is left Message Waiting

5 minutes silence **(PROGRAM ZONE 135)**

30 seconds ringing **(PROGRAM ZONE 136)**

SLT answers the ringing
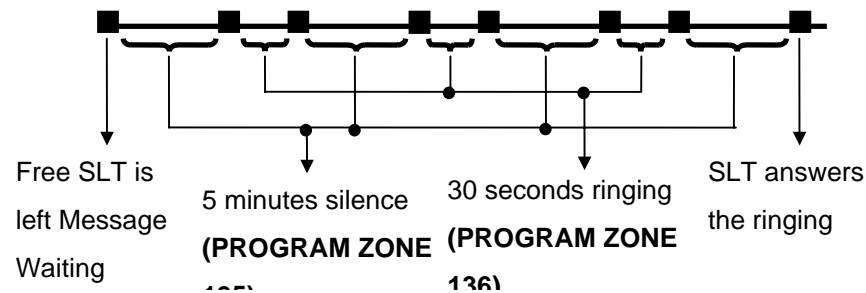
# 137        Metering Pulse Detection Starting Time

**Aristel** —

137 Meter range1
Time=008 (*10ms)

AV *SERIES*

<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=008=80 ms.**

**Description:**

**(The function is only available in AV-38 and AV-64)**

The Metering pulse only can be detected by the system within **"Metering Pulse Detection Starting Time"** and **"Metering Pulse Detection Ending Time"**.

Interrelation Zones: Program Zones 132, 138 and 251

# 138        Metering Pulse Detection Ending Time

**Aristel** —

138 Meter range2
Time=030 (*10ms)

AV *SERIES*

<-- **Program Status Area**

<-- **SSS=000~255**

**Def.=030=300 ms.**

**Description:**

**(The function is only available in AV-38 and AV-64)**

The Metering pulse only can be detected by the system within **"Metering Pulse Detection Starting Time"** and **"Metering Pulse Detection Ending**

**Time"**.

Interrelation Zones: Program Zones 132, 137 and 251

## 139　　ACD Enable Time

**Aristel** —

```
139 ACD  Tm
Time=015 Sec
```

AV *SERIES*
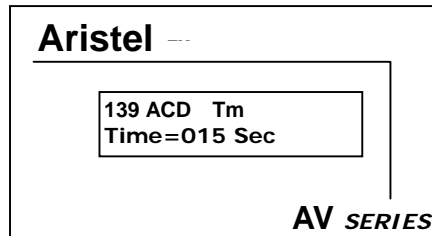
<-- **Program Status Area**

<-- **SSS=000~255**

　　**Def.=015=15 sec.**

**Description:**

Incoming call rings to the assigned stations in **PROGRAM ZONE 600 (601)** when they are all busy, the call will be answered by the system once the setting time is reached and be put into the holding queue whilst the caller will hear ACD Reminding Message and MOH. As soon as any one of the assigned station is free the call will be transferred to that free station. The Holding Queue is proceeded **First-In** and **First-Ou**t.

Interrelation Zones:　　Program Zones 402-NN-IP=16(17),

## 140　　DISA Enable Delay Time 2
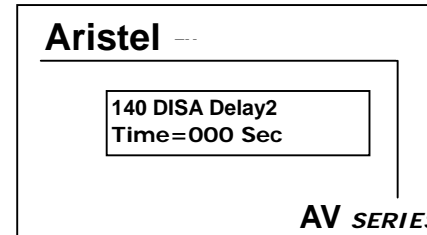
**Aristel** —

```
140 DISA Delay2
Time=OOO Sec
```

AV *SERIES*

<-- **Program Status Area**

<-- **SSS=000~255**

　　**Def.=000=000 sec.**

**Description:**

**(The function is only available in AV-64 and AV-256)**

If CO line is assigned in **PROGRAM ZONE 603-CO-2 = 2 or 3**, DISA incoming through such CO line will be answered by the system as soon as the setting time is reached.

Interrelation Zone:　　　Program Zones 604-CO-2 and

## 141　　DISA Enable Delay Time 3
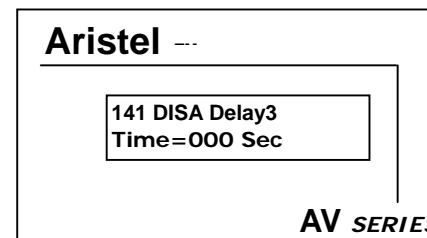
**Aristel** –-

```
141 DISA Delay3
Time=OOO Sec
```

AV *SERIES*

<-- **Program Status Area**

<-- **SSS=000~255**

　　**Def.=000=000 sec.**

**Description:**

**(The function is only available in AV-64 and AV-256)**

If CO line is assigned in **PROGRAM ZONE 603-CO-2 = 4 or 5**, DISA incoming through such CO line will be answered by the system as soon as

the setting time is reached.

Interrelation Zone:     Program Zones 604-CO-2 and

## 142      DISA Enable Delay Time 4
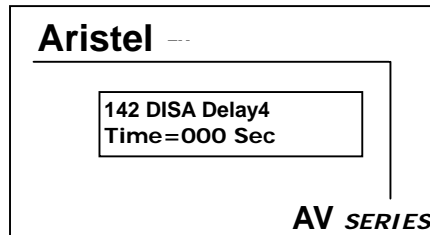
**Aristel** —

142 DISA Delay4
Time=000 Sec

AV *SERIES*

<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=000=000 sec.**

**Description:**

**(The function is only available in AV-64 and AV-256)**

If CO line is assigned in **PROGRAM ZONE 603-CO-2 = 6 or 7**, DISA incoming through such CO line will be answered by the system as soon as the setting time is reached.

Interrelation Zone:     Program Zones 604-CO-2 and

## 143      Door Call Ringing Time
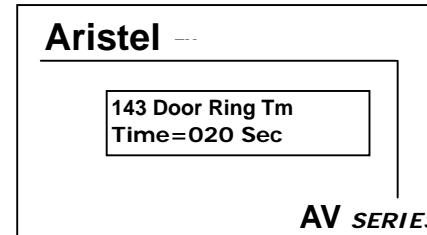
**Aristel** —

143 Door Ring Tm
Time=020 Sec

AV *SERIES*

<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=020=020 sec.**

**Description:**

**(The function is only available in AV-38 and AV-256)**

The assigned stations in **PROGRAM ZONE 602** will be ringing for the period of setting time as soon as the Door Phone Button is pushed once.

Interrelation Zone:   Program Zones 602

## 144      System Wide FWD Time

**Aristel** —

143    System Wide
Time=020 Sec

AV *SERIES*
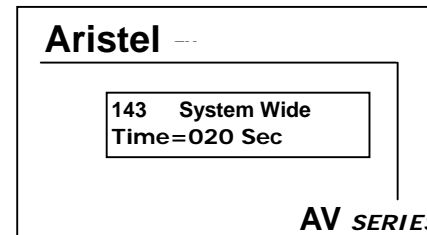
<-- **Program Status Area**

<-- **SSS=000~255**

   **Def.=020=020 sec.**

**Description:**

DID incoming call or DISA incoming call or Intercom call rings to the internal free station which **PROGRAM ZONE 504-ST-8=1** and without answered, the call will be forwarded to the first assigned station in **PROGRAM ZONE 400-05-IP** as soon as the setting time is reached.

- **The function is not available in AV-38/AV-64/AV-256.**

| Interrelation Zone:   Program Zones 242, 400-05 |
| --- |

# 145 ~ 199  Reserved for Future Use

# ■ System Function Parameter (Zone 200 ~ 299)

## 200 PABX (Centrex) Outgoing Code

**Aristel** ---

```
200     PABX Out
CODE=S (0→9)
```

**AV**

<-- **Program Status Area**

<-- **S=0~9**
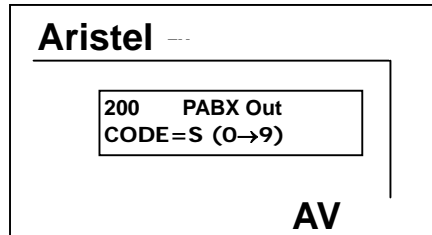
**Def.=9**

**Description:**

If the system is installed behind a Host PABX an Access Code (0-9) is needed be assigned to access Central Office Lines from the Host PABX. This function is available when **PROGRAM ZONE 604-CO-1=1=PABX** and is used for Redial and Toll Restriction functions (this means the system will not detect the first dialing digit after the CO Line is accessed).

> **Interrelation Zone: Program Zone 604-CO-1=1**

## 201 Operator Code

**Aristel** ---

```
201     Operator
CODE=S (0→9)
```

**AV**

<-- **Program Status Area**

<-- **S=0~9**
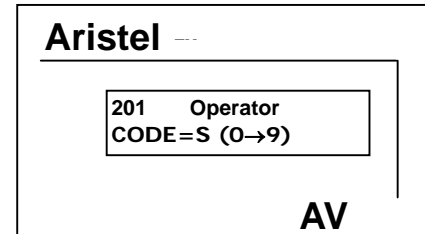
**Def.=0**

**Description:**

It is one touch code for station to call operator urgently.

> **Interrelation Zone: Program Zone 400**

## 202 Dial _9 CO Code

**Aristel** ---

```
202     Dial_9  CO
CODE=S (0→9)
```

**AV**

<-- **Program Status Area**

<-- **S=0~9**
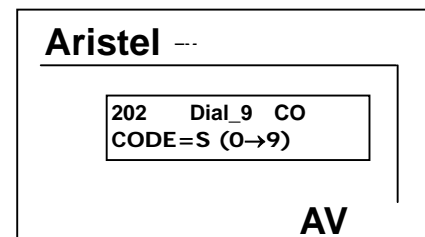
**Def.=9**

**Description:**

**It is one touch code for a station to urgently access a free CO line from the system.**

> **NOTE 8:** Dial _ 9 CO Code cannot be the same as

**Description:**

**0 = 12 hour format   1 = 24 hour format (Military)**

Interrelation Zones: Program Zones 304, 305, 306 and

Interrelation Zones:      Program Zones 503-ST-3

## 203    Toll Code

**Aristel** ---

```
203      Toll
CODE=S (0→9)
```
AV

<-- **Program Status Area**

<-- **S=0~9**
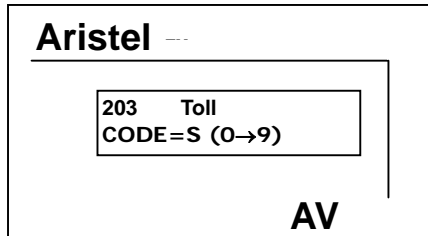
**Def.=0**

**Description:**

**The stating code allocated in the first digit of the outgoing dialed numbers to let the system recognize that the outgoing call is the long distance call.**

Interrelation Zones: Program Zones 405, 408 and 409

## 204    12/24 Hour Clock

**Aristel** ---

```
204   12/24  Clock
TYPE=S  0:12  1:24
```
AV

<-- **Program Status Area**

<-- **S=0~1**

**Def.=1**

## 205    Station Number Digit Length

**Aristel** ---

```
205      Ext Number
LEN.=S   (2→4)
```
AV
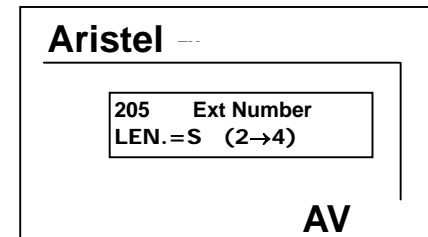
<-- **Program Status Area**

<-- **S=2~4**

**Def.=2**

**Description:**

Defines the length of a station number assigned in **PROGRAM ZONE 502-CSN-1**.

2 = 2 digits      3 = 3 digits      4 = 4 digits

Interrelation Zone:   Program Zone 502-CSN-1

## 206 Digit Length for Local Call

**Aristel** —

```
206     Local Digit
LEN.=S   (O→9)
```

AV

<-- **Program Status Area**

<-- **S=0~9**
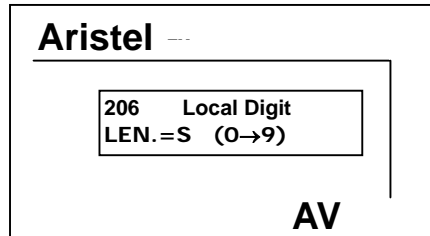
   **Def.=0**

**Description:**

Defines the length of a local telephone number restricted in **PROGRAM ZONE 203** and **405**.

0 = Infinite    1 = 1 digit    2 = 2 digits    ….. 9 = 9 digits

**Interrelation Zones:    Program Zones 307-03 and**

## 207 Intercom Calling Type (for KP)

**Aristel** —

```
207     ICM Call (KP)
TYPE=S   (O:V   1:R)
```

AV

<-- **Program Status Area**

<-- **S=0~1**
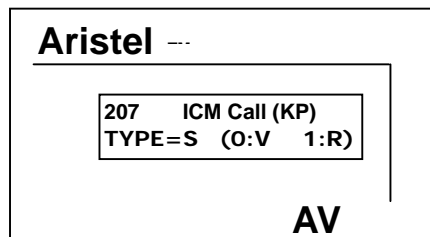
   **Def.=1**

**Description:**

Defines the initial calling signal on the speaker of an internal key phone station when it is intercom-called by another internal station. The caller can press [∗] to change the calling type during the calling.

0 = Voice Signaling      1 = Ring Signaling

**Interrelation Zones:      None**

## 208 Intercom Dial Tone Signaling

**Aristel** —

```
208     ICM DT
SIGN=S   (O:S  1:I)
```

AV

<-- **Program Status Area**

<-- **S=0~1**

   **Def.=0**

**Description:**

**Defines the Internal Dial Tone signal when station's handset is lifted (**Key Phone or SLT**) or [SPK] is pressed (**Only for Key Phone**).**

0 = Steady Tone    1 = Interrupted Tone

**Interrelation Zones:     None**

## 209    Intercom One Digit Dialing Capability

**Aristel** —

```
209     ICM ODD
CAP.=S  (0:D  1:E)
```
AV

<-- **Program Status Area**

<-- **S=0~1**
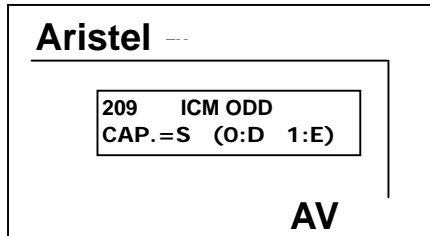
**Def.=0**

**Description:**

Determines whether the user can call intercom by dialing the representative single digit of the called station defined in **PROGRAM ZONE 401**.

0 = Disabled          1 = Enabled

**Interrelation Zones: Program Zone 401**

## 210    Intercom Hunting

**Aristel** ---

```
210     ICM Hunting
CAP.=S  (0:D  1:E)
```
AV

<-- **Program Status Area**

<-- **S=0~3**
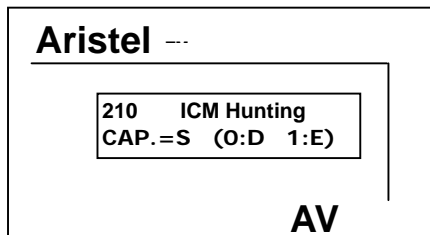
**Def.=0**

**Description:**

Allows an internal caller to press digit [4] to search for the next free station if the called station is busy or does not answer. The next free station must be in the same station group as the called station in **PROGRAM ZONE 503-ST-1**.

0 = Disable Intercom Hunting

1 = Enable Intercom Hunting

**Interrelation Zones:    Program Zone 503-ST-1**

## 211    Wake Up Call Signaling

**Aristel** ---

```
211     Wake Up Call
SIGN=S  (0:V  1:B)
```
AV

<-- **Program Status Area**

<-- **S=0~1**
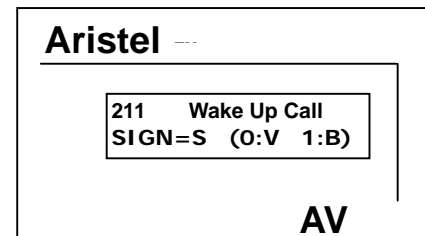
**Def.=1**

**Description:**

0 = Use Voice Message to perform Wake Up Call service.

1 = Use background music to perform Wake Up Call service.

**Interrelation Zones:    Individual Alarm Clock in System**

# 212 Message Wait Auto Ringing

**Aristel**

```
212    SLT MSG Wait
SIGN=S  (1:R  2:V)
```
AV

<-- **Program Status Area**

<-- **S=0~2**
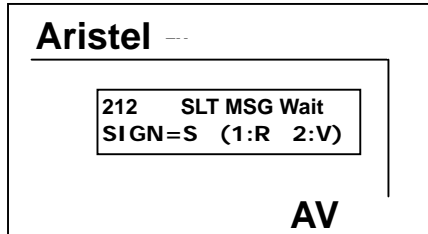
    **Def.=1**

**Description:**

**(The function is not available for free Key Phone)**

0 = Disable Message Wait Auto Ringing

1 = Enable Message Wait Auto Ringing in Ringing Mode

2 = Enable Message Wait Auto Ringing in Voice Mode

**OPERATION EXAMPLE:**

**Step 1.** Station A calls free Station B which is SLT.

**Step 2.** Station B does not answer.

**Step 3.** Station B stops ringing once Station A leaves message to Station B during ringing.

**Step 4.** Station B will ring for 30 seconds each 5 minutes.

**Step 5.** Station A will be rung as soon as Station B answers the message ringing, then Stations A and B can talk to each other.

**NOTE 9:** If Station A leaves the message to busy Station B which is either SLT or Key Phone,

**Interrelation Zones:    Program Zone 402**

# 213    Make/Break Ratio

**Aristel**

```
213    Make/Break
TYPE=S  0:33  1:40
```
AV

<-- **Program Status Area**

<-- **S=0~1**
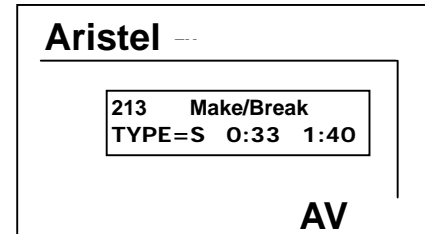
    **Def.=0**

**Description**

Sets the Make to Break Ratio for Dial Pulse signal when CO is programmed for Pulse signal output in **PROGRAM ZONE 604-CO-1=0**.

0 = 33/66        1 = 40/60

**Interrelation Zone:    Program Zone 604-CO-1=0**

# 214    Automatic CO Search

**Aristel**

```
214    AT CO Search
CAP.=S  (0:D  1:E)
```
AV

<-- **Program Status Area**

<-- **S=0~1**

    **Def.=1**

*AV-Series System Programming Manual*
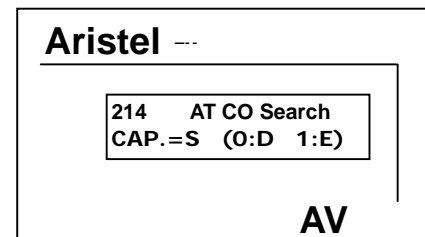
**Description:**

Allows the system to select a free CO line automatically during **Speed Dial, Auto Redial and Redial**.

0 = Disable          1= Enable

| Interrelation Zones: | None |
|---|---|

## 215    Dial _9 Capability

```
Aristel ---

    215    Dial_9
    CAP.=S  (O:D  1:E)

              AV
```

<-- **Program Status Area**

<-- **S=0~2**
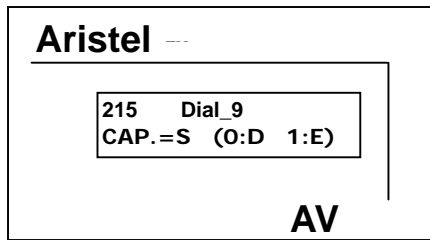
**Def.=1**

**Description:**

Allows the user to access a free CO line by pressing a specified code assigned in **PROGRAM ZONE 202**.

**0 =**      **Disable.**

**1 =**      **Enable. Co line is accessed by the normal way from the free line in** PROGRAM ZONE 603**.**

**2 =**      **Enable. CO line is accessed by the circular way from the free line in** PROGRAM ZONE 603**.**

| Interrelation Zones: | Program Zones 202, 503-ST-3 |
|---|---|

## 216    CO Delay Capability/Paging Tone of 15 Keys KP

```
Aristel ---

    216    15 key page
    CAP.=S  (O:D  1:E)

              AV
```

<-- **Program Status Area**

<-- **S=0~1**
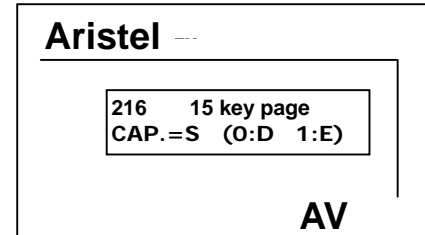
**Def.=0**

**Description:**

■ **CO Delay Capability**

The system will delay a setting time after CO line is accessed so as to avoid losing the first dialing digit detected by the CO when quick dialing is used.

0 = Disable          1 = Enable

■ **Paging Tone of 15 Keys KP**
**(The function is only available for AV-38, AV-64 and AV-256)**

Allows the user to select the different paging tone on 15 buttons key telephone when it is paged by another internal station.

0 = Ding-Dong       1 = One second tone

| Interrelation Zone: | Program Zone 129 |
|---|---|

## 217    Mute CO Capability

**Aristel** ---

| 217    CO Mute<br>CAP.=S  (0:D  1:E) |

**<-- Program Status Area**

**<-- S=0~1**

**Def.=0**

AV
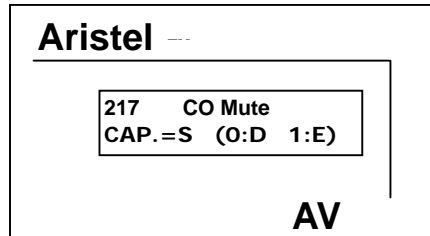
### Description:

Provides protection if an external DTMF dialer is used on the key station handset.

0 = Disable

1 = Enable. Key station handset will be muted until the 3rd digit is dialed.

| Interrelation Zones:    None |

## 218    DISA Recall Capability

**Aristel** ---

| 218    DISA Recall<br>CAP.=S  (0→3) |

**<-- Program Status Area**

**<-- S=0~3**

**Def.=0**

AV
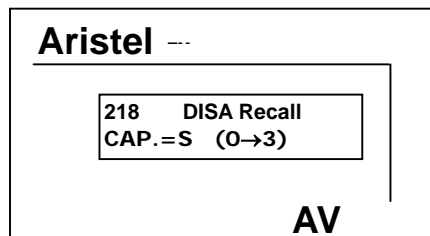
### Description:

Allows DISA caller to be transferred to the Attendant Console if the called station is busy or does not answer.

0 =  Disable.

1 = Enable when No Answer. The call will be transferred to the console(s) according to **PROGRAM ZONE 219** as soon as the setting time in **PROGRAM ZONE 116** is reached.

2 = Enable when busy or a non existent station number. The call will be transferred to the console(s) according to **PROGRAM ZONE 219** immediately when the called station is busy or if dialing a non existent station number.

3 = Enable when no answer, busy or non existent station number. The same operating procedures as "1" or "2".

After the call is the first time transferred to the console(s) and the consoles are all busy or do not answer the call, the call will be put into the holding queue and the busy consoles will hear one second Remind Tone. The system will make the 2nd recheck to the consoles as soon as the setting time in **PROGRAM ZONE 133** (for consoles are all busy) or **PROGRAM ZONE 116** (for consoles do not answer the call) is the first time reached. If the call still does not be answered during the 2nd time recheck, the system will make the 3rd recheck to the consoles as soon as the setting time in **PROGRAM ZONE 133** (for consoles are all busy) or **PROGRAM ZONE 116** (for consoles do not answer the call) is

the second time reached. If the call still does not be answered during the 3rd time recheck, the system will disconnect the call immediately. The total maximum recheck times will be three (3) times.

---

Interrelation Zones:  Program Zones 116, 117, 219

---

## 219     DISA Transfer Group Capability

**Aristel** ---

```
219     DISA Trf GP
CAP.=S  (0:S  1:C)
```

                                             **AV**
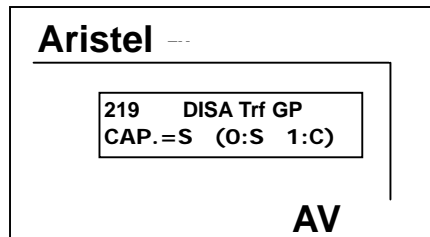
<-- **Program Status Area**

<-- **S=0~5**

     **Def.=0**

**Description:**
**Determines where the DISA call is transferred to if the called station does not answer.**

0 =  Transferred to the first available Console in the same Console Group as the called station group number.

1 =  Transferred to the first available Console in the same Console Group as the CO group number of the DISA line in **PROGRAM ZONE 603** (when **PROGRAM ZONE 222=1**) or in **PROGRAM ZONE 608** (when **PROGRAM ZONE 222=2**).

2 =  Transferred to all Consoles in the same Console Group as the called station group number.

3 =  Transferred to all Consoles in the same Console Group as the CO group number of the DISA line in **PROGRAM ZONE 603** (when **PROGRAM ZONE 222=1**) or in **PROGRAM ZONE 608** (when **PROGRAM ZONE 222=2**).

4 = Transferred to the consoles according to the following 3 conditions:

**DAY TIME**      : Transfer to the consoles in the console's group which is the same group number as Station Group Number of the called station in **PROGRAM ZONE 503-ST-1**. The consoles will ring.

**MIDDAY TIME :** Transfer to the consoles in the console's group which is the same group number as Station Group Number of the called station in **PROGRAM ZONE 503-ST-1**. The consoles will not ring but have an Alert Tone to be heard from the speaker.

**NIGHT TIME**   : Same as MIDDAY TIME.

5 =  Transferred to the consoles according to the following 3 conditions:

**Description:**

0 = Disable          1 =  Enable

**DAY TIME**      **:** Transfer to the consoles in the console's group which is the same group number as Station Group Number of the called station in **PROGRAM ZONE 503-ST-1**. The consoles will ring.

| Interrelation Zones:       None |
| --- |

**MIDDAY TIME :** Transfer to the consoles in **PROGRAM ZONE 400-04**. The consoles will not ring but have an Alert Tone to be heard from the speaker.

**NIGHT TIME**   **:** Transfer to the consoles in **PROGRAM ZONE 400-06**. The consoles will not ring but have an Alert Tone to be heard from the speaker.

## 221      Busy Tone Detection/Hold Reminder Capability

**Aristel** ⎯

| 221      Inco/Msg/Moh<br>CAP.=S (0:D   1:E) |
| --- |

**AV**

**<-- Program Status Area**

**<-- S=0~3**

**Def.=3**
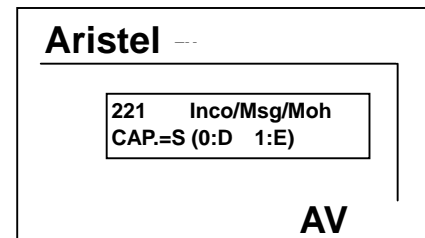
| Interrelation Zones:  **Program Zones 116, 117, 133,**<br>**218, 222, 308,** 400-04-IP,<br>400-06-IP, 503-ST-1, 604-CO-3 |
| --- |

**Description:**

**(The function is not available for AV-256)**

0 = Disable Busy Tone Detection, Holding Reminder Message and Holding Music when DISA call is transferred.

1 = Enable Busy Tone Detection, Disable Holding Reminder Message and Holding Music when DISA call is transferred.

2 = Disable Busy Tone Detection, Enable Holding Reminder Message and Holding Music when DISA call is transferred.

3 = Enable Busy Tone detection, Holding Reminder Message and Holding Music when DISA call is transferred.

## 220      Fax Monitoring Capability

**Aristel** ⎯

| 220      FAX Monitor<br>CAP.=S   (0:D   1:E) |
| --- |

**AV**

**<-- Program Status Area**

**<-- S=0~1**

**Def.=1**

NOTE 10: Busy Tone Detection can only operate during External call Forward (ECF) or when accessing CO line for another

Interrelation Zones: Program Zones 125, 126, 127,

## 222 DSS Key for Different CO Group

**Aristel** ---

```
222     DSS for DTG
CAP.=S  (0:D  1:E)
```

AV

<-- Program Status Area

<-- S=0~2
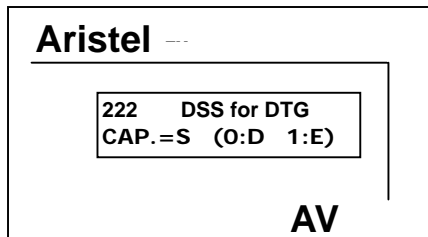
Def.=1

### Description:

Allows the internal station to be restricted by **PPROGRAM ZONE 603** when pressing DSS CO line for outgoing call or answering an incoming call according to **PROGRAM ZONE 503-ST-4** and **PROGRAM ZONE 608**.

0 = Disable.

1 = The station is restricted by **PRPGRAM ZONE 603** if pressing DSS CO line key for outgoing call.

2 = The station can answer or pick up the incoming line according to **PROGRAM ZONE 503-ST-4** and **PROGRAM ZONE 608**, even if

it is restricted by **PROGRAM ZONE 603**.

Interrelation Zones: Program Zones 503-ST-4, 603

## 223 Auto-Redial Times

**Aristel** ---

```
223    Auto-Redial
TIMES=SS   00→99
```

AV
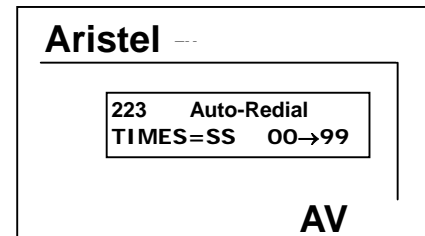
<-- Program Status Area

<-- S=00~99

Def.=20

### Description:

Determines the redial times (total cycles of Auto Redial Pause Time **+** Auto Redial Waiting Time) when Auto Redial is activated.

Interrelation Zones: Program Zones 120 and 121

## 224 Limit Call Pattern

**Aristel** ---

```
224    Limit Call
CODE=S   (0→8)
```

AV
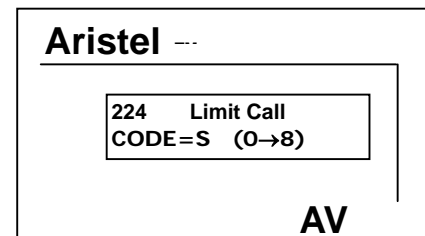
<-- Program Status Area

<-- S=0~8

Def.=2

**Description:**

Determines the limiting status before the time in **PROGRAM ZONE 507-ST-2** is reached.

0 = Continuous warning tone after timeout[NOTE 11]

1 = A one (1) second warning tone for each Call Limit Duration[NOTE 11]

2 = At ten (10) seconds before timeout, a one (1) second warning tone will sound. At five (5) seconds before timeout, a continuous warning tone can be heard by the internal key station party (If SLT station then both internal and external parties can hear). The line is released after timeout. **NOTE 11**

3 = At ten (10) seconds before timeout, a one (1) second warning tone will sound. At five (5) seconds before timeout, a continuous warning tone will be heard by both parties. After timeout, the line is released. **NOTE 11**

4 = Reserved.

5 = The same as 0 for incoming and outgoing calls.

6 = The same as 1 for incoming and outgoing calls.

7 = The same as 2 for incoming and outgoing calls.

8 = The same as 3 for incoming and outgoing calls.

9 = Reserved.

> **NOTE 11:** 0, 1, 2 and 3 are for outgoing calls only

---

> **Interrelation Zone:** Program Zone 507-ST-3

---

## 225    Speed Dial Distribution

**Aristel** —

| 225    Speed Dial |
| CODE=S   (0→9) |

AV

<-- **Program Status Area**

<-- **S=0~1**
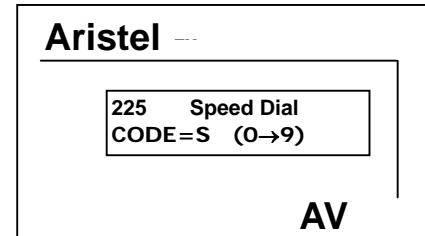
     **Def.=0**

**Description:**

Defines the quantities of System Speed Dial and Individual Speed Dial sets. The following tables are for the total sets for System Speed Dial plus Individual Speed Dial before or after **Name Speed Dial** function in **PROGRAM ZONE 227** is enabled. Refer to **PROGRAM ZONE 509** for Individual Speed Block and **PROGRAM ZONE 404** for System Speed Dial Code assignment.

**When PROGRAM ZONE 227 = 0 = Disable Name Speed Dialing**

| Setting Value | System Speed Dial Sets | | Individual Speed Dial Sets | |
|---|---|---|---|---|
| | AV-8/NAV-8/ AV-12/38 | AV-64/256 | AV-8/NAV-8/ AV-12/38 | AV-64/256 |
| **0** | 100 (100 ~ 199) | 100 (100 ~ 199) | 600 | 1100 |
| **1** | 200 (100 ~ 299) | 200 (100 ~ 299) | 500 | 1000 |
| **2** | 300 (100 ~ 399) | 300 (100 ~ 399) | 400 | 900 |
| **3** | 400 (100 ~ 499) | 400 (100 ~ 499) | 300 | 800 |
| **4** | 500 (100 ~ 599) | 500 (100 ~ 599) | 200 | 700 |

| 5 | 600 (100 ~ 699) | 600 (100 ~ 699) | 100 | 600 |
| 6 | | 700 (100 ~ 799) | | 500 |
| 7 | | 800 (100 ~ 899) | | 400 |
| 8 ~ 9 | | 900 (100 ~ 999) | | 300 |

**When PROGRAM ZONE 227 = 1 = Enable Name Speed Dialing**

| Setting Value | System Speed Dial Sets | | Individual Speed Dial Sets | |
| --- | --- | --- | --- | --- |
| | AV-8/NAV-8/ AV-12/38 | AV-64/256 | AV-8/NAV-8/ AV-12/38 | AV-64/256 |
| 0 | 100 (100 ~ 199) | 100 (100 ~ 199) | 250 | 500 |
| 1 | 200 (100 ~ 299) | 200 (100 ~ 299) | 150 | 400 |
| 2 | 300 (100 ~ 399) | 300 (100 ~ 399) | 50 | 300 |
| 3 | 300 (100 ~ 399) | 400 (100 ~ 499) | 50 | 200 |
| 4 ~ 9 | 300 (100 ~ 399) | 500 (100 ~ 599) | 50 | 100 |

**Interrelation Zones:   Program Zones 227, 404**

# 226    Speed Dial Unrestricted Range

```
Aristel ---

   226    SPD Unrest
   Range=AAA→BBB

                    AV
```
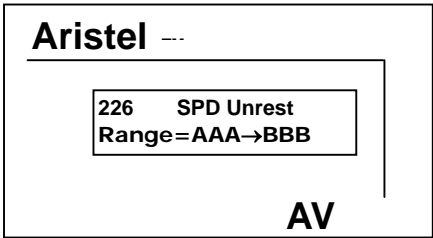
<-- **Program Status Area**

<-- **AAA=SPD Code**NOTE 12

**BBB=SPD Code**NOTE 12

**Def=AAA→BBB**

**=000→000**

**Description:**

Allows System Speed Dial Numbers to be exempt from Toll Restriction.

**EXAMPLE:**

1.  Entering AAA → BBB (where AAA → BBB are variables, eg 100 ~ 255), SPD Codes from 100 ~ 255 can override Toll.

2.  Entering AAA → BBB (where AAA → BBB are variables, eg 234 ~ 456), SPD Codes from 234 ~ 456 can override Toll.

3.  Entering the first digit of AAA as 0, All SPD Codes will be Toll Restricted.

| NOTE 12: | AV-8/NAV-8 | ------> AAA = 000 → 699 |
| --- | --- | --- |
| | | BBB = 000 → 699 |
| | AV-12/38 | ------> AAA = 000 → 699 |
| | | BBB = 000 → 699 |

**Interrelation Zones:        Program Zones 404 and 405**

# 227    Name Speed Dial Capability

```
Aristel ---

   227    Name SPD
   CAP.=S  (0:D  1:E)

                    AV
```

<-- **Program Status Area**

<-- **S=0~1**
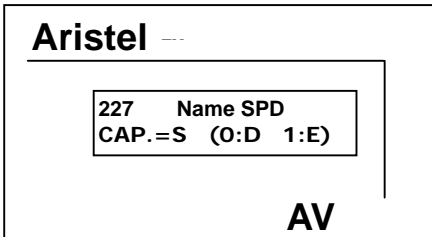
**Def.=0**

**Description:**

Allows the user to enter a name to replace the speed dial code for

System or Individual Speed Dial, or entering the prefix of a name to search for the speed dial number.

0 = Disable          1 = Enable

| Interrelation Zones: | Program Zones 404, 500 - FN=74, |
|---|---|
| | 502, 604 and System |

## 228     SMDR Masked Capability

**Aristel** ---

```
228      SMDR Masked
LEN.=S   (0→9)

                   AV
```

<-- **Program Status Area**

<-- **S=0~9**
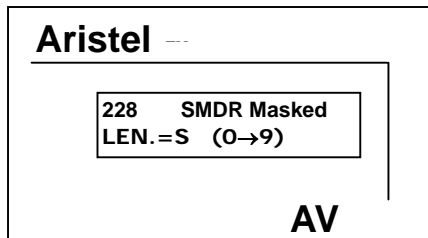
     **Def.=0**

### Description:

Determines how many digits of the dialed telephone number can be printed through SMDR.

0 = Print out all digits of the dialed number.

1 = Print out only the first digit of the dialed number.

**9 = Print out the first 9 digits of the dialed number.**

| Interrelation Zone:   Program Zone 307 |
|---|

## 229     Busy Reminder Capability

**Aristel** ---

```
229 Slt Busy Remind
CAP.=S   (0:D  1:E)

                   AV
```

<-- **Program Status Area**

<-- **S=0~1**
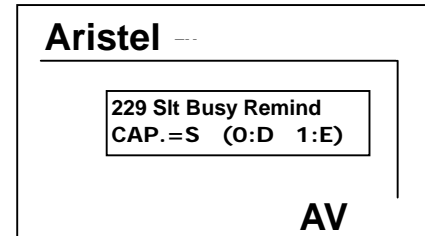
     **Def.=1**

### Description:

If the function is enabled, the busy internal station can hear Busy Reminder Tone from the handset of SLT or 15 buttons Key Phone if another call is transferred in.

0 = Disable          1 = Enable

| Interrelation Zone:       Program Zone 122 |
|---|

## 230     Link Monitor Capability

**Aristel** ---

```
230      Link Monitor
CAP.=S   (0:D  1:E)

                   AV
```

<-- **Program Status Area**

<-- **S=0~1**
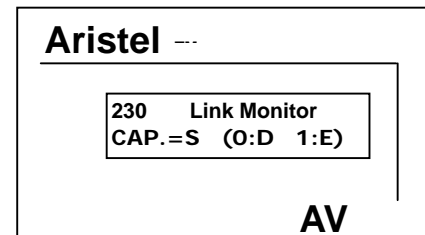
     **Def.=0**

### Description:

Allows the system to maintain its cross-links when an external line is disconnected abnormally.

0 = Disable

1 = Enable. If the problem is caused by the system itself, the user will experience a short interruption while the connection is restored automatically. If the problem is caused by the external CO or a wiring connection, the link will not be restored.

Interrelation Zone:   None

## 231      Volume – Initial Setting

**Aristel** ---

```
231      Volume Initi
VAL.=S   (1→8)
```
AV
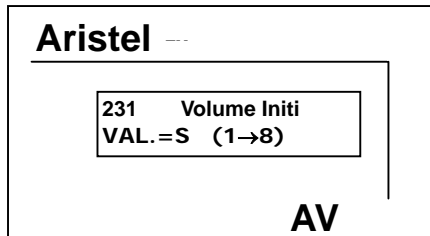
<-- Program Status Area

<--   S=1~8

Def.=3

**Description:**

Defines the initial volume level for Speaker, Ringing and Handset Tones when Key Phone is reset. A total of eight (8) levels can be assigned.

Interrelation Zones: None

## 232      Speed Dial Pause Times

**Aristel** ---

```
232      B.B.C. Pause
TIMES=SS    OO→99
```
AV
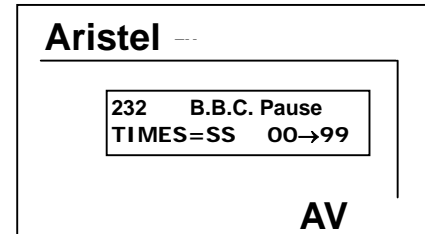
<-- Program Status Area

<-- SS=00~99

Def.=09

**Description:**

Defines one Pause (p) in Speed Dial Number

**EXAMPLE:**

Step 1.    Program Zone 100 = 020 = 20 x 40 = 800ms.

Step 2.    Program Zone 232 = 07 = 7 x 800 = 5600ms = 5.6 sec.

Step 3. Speed Dial Number is "002P886PP2P9993380", the time for one "p" here is (5.6 + 0.8) = 6.4 sec.

Interrelation Zones:     Program Zones 100 and 404

## 233      Busy Tone Detection Times[NOTE 3]

**Aristel** ---

```
233      Busy Tn Tms
TIMES=SS    OO→99
```
AV
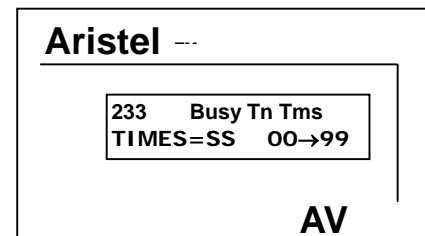
<-- Program Status Area

<-- SS=00~99

Def.=06

**Description:**

Defines how many cycles of Busy Tone ON + Busy Tone OFF detected by the system can be assumed as a real Busy Tone sent from CO after the external party hangs up the call.

Interrelation Zones:  Program Zones 125, 126, 127,

## 234 CO Auto-Transfer Capability

**Aristel** ⎯

| 234 Co Auto Trf |
| CAP.=S (O:D 1:E) |

AV

<-- **Program Status Area**

<-- **S=0~1**
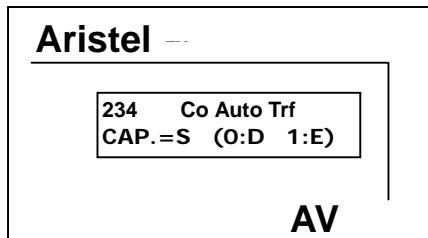
Def.=1

**Description:**

Allows the internal party to transfer the external call without pressing **[TRF/FL]** key, but instead pressing either **[PAGE]** or **[DSS Station]** keys. Pressing **[PAGE]** key will put the call on hold automatically and transfer as soon the internal party hangs up after the internal paged party answers the call. Pressing **[DSS Station]** key will put the call on hold automatically and it will be camped on to the called station as soon as the internal party hangs up the handset.

0 = Disable        1 = Enable

***Caution !***    If the setting value = 1 will increase the system's working loading.

Interrelation Zones:    None

## 235 System Programming Password Protection

**Aristel** ⎯

| 235 System PSW |
| CAP.=S (O:D 1:E) |

AV

<-- **Program Status Area**

<-- **S=0~1**
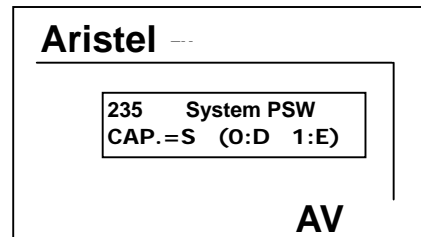
Def.=0

**Description:**

Provides protection for the system to deny access to the system programming by any internal key station using the Engineering Programming Password except the key station located in the first station port in the system; however, any key station still can use the Programming Password in PROGRAM ZONE 301-01 to enter the system programming.

0 = Disable        1 = Enable

Interrelation Zone:        Program Zone 303-01 and

## 236    Dial Tone Detection Times<sub>NOTE 3</sub>

**Aristel** ---

```
236    Dial Tn Tms
TIMES=SS   OO→99
```
**AV**
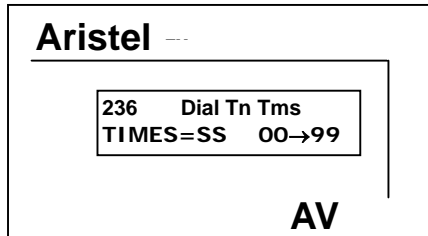
<-- **Program Status Area**

<-- **SS=00~99**

**Def.=06**

### Description:

Defines how many Special Dial Tones sent from Central Office after an external party hangs up the call and detected by the system, can be admitted as a requirement for the system to disconnect the CO line. (This function only exists in AV-16H/24/38)

**Interrelation Zones:    None**

## 237    SLT  Pulse  Dialing  Operation  Code  with

## [    ]/[*]

**Aristel** ---

```
237    Slt Pulse # *
CAP.=S  (O:D  1:E)
```
**AV**

<-- **Program Status Area**

<-- **S=0~4**

**Def.=0**

### Description:

A very important function for SLT, especially when SLT is Pulse Dialing.

0 = Disable. Pulse dialing SLT cannot use some station functions which the operation digit is with [#] or [*]. Digit [7] and [8] can be the first digit of the station number.

1 = Enable. Digit [#] and [*] will be replaced by digit [7] and [8] when SLT is pulse dialing. The first digit of the station number cannot be [7] and [8].

2 = Digits [#] will be replaced by Digits [7]. Digit [*] will be replaced by [8]. One FLASH Pulse will be replaced by digit [2].

3 = Same as above 2, but Account Code will be replaced by digit [5].

4.=  Account Code will be replaced by digit [5].

**Interrelation Zones:  Program Zone 403,**

## 238     DISA Single Digit Dialing Capability

**Aristel** ---

```
238      DISA Group
CAP.=S   (0:D  1:E)
                      AV
```

**<-- Program Status Area**

**<-- S=0~1**
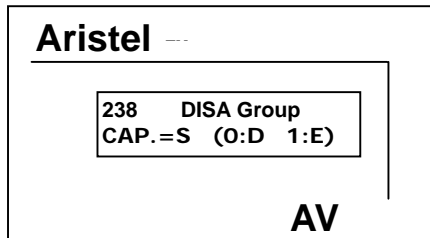
    **Def.=0**

**Description:**

Allows DISA caller to use a representative digit (1~5 and 7~8) to call internal stations assigned in **PROGRAM ZONE 607**. It is different from **PROGRAM ZONE 401**. Dialing [**6**] + [**Station Number**] is for calling specific station direct.

0 = Disable        1 = Enable .

| Interrelation Zone:     Program Zone 607 |
| --- |

## 239     Do Not Disturb Capability

**Aristel** ---

```
239      DND Disable
CAP.=S   (0:D  1:E)
                      AV
```

**<-- Program Status Area**

**<-- S=0~1**
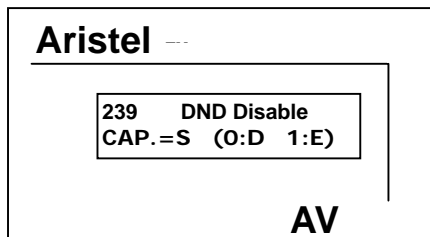
    **Def.=0**

**Description:**

Allows the user to disable "Do Not Disturb" function from the system even if the Function Key is assigned for "DND".

0 = Disable. System has Do Not Disturb function.

1 = Enable.    System does not have Do Not Disturb function.

| Interrelation Zones:     System Administrator's |
| --- |

## 240     Auto-Accessing CO Line Capability

**Aristel** ---

```
240      Auto Co Dis.
CAP.=S   (0:D   1:E)
                      AV
```

**<-- Program Status Area**

**<-- S=0~1**
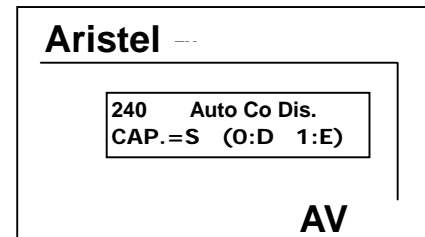
    **Def.=0**

**Description:**

Allows the user to access a free CO line automatically by lifting up handset after **Hot Line Function** is enabled in **Site Administrator's Manual.**

0 = Disable. Can access CO line automatically by lifting the handset.

1 = Enable. Cannot access CO line automatically by lifting handset.

| Interrelation Zone:     System Administrator's |
| --- |

## 241 Direct Intercom Dialing & FAC Uninhibited by Call Limit Duration Capability

```
Aristel —

 ┌──────────────────────┐
 │ 241      Direct Dial  │
 │ CAP.=S  (0:D  1:E)    │
 └──────────────────────┘
                    AV
```

<-- **Program Status Area**

<-- **S=0~3**
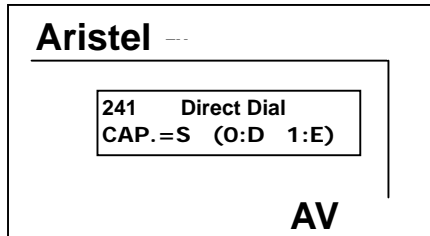
    **Def.=0**

### Description:

Allows an internal party to call intercom by dialing station number direct without lifting handset or pressing [SPK] key. This function must be used carefully with **PROGRAM ZONE 209** and **238** which are used for single digit Dialing Capability.

**It is recommended that "Direct Dial" function to be disabled if PROGRAM ZONE 209 is enabled.**

0 = Disable Direct Intercom Dialing.
1 = Enable Direct Intercom Dialing.
2 = Disable Direct Intercom Dialing, and the call made by Forced Account Code will not be inhibited by Limit Call Duration.
3 = Enable Direct Intercom Dialing, and the call made by Forced Account Code will not be inhibited by Limit Call Duration.

```
┌────────────────────────────────────────────────┐
│ Interrelation Zone:  Program Zone 209, 403 and  │
│                      507-ST-3                    │
└────────────────────────────────────────────────┘
```

## 242 Exclusive Hold & System Wide CFW Capability

```
Aristel —

 ┌──────────────────────┐
 │ 242      XHOLD        │
 │ CAP.=S  (0:D  1:E)    │
 └──────────────────────┘
                    AV
```

<-- **Program Status Area**

<-- **S=0~3**
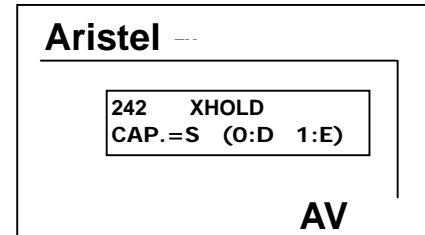
    **Def.=1**

### Description:

**A. Exclusive Hold Capability**

   **Allows the user to select Exclusive Hold function.**

**B. System Wide CFW (The function is only available in**
   **AV-38/AV-64/AV-256)**

System Wide CFW function has 2 following conditions:

■ **The called station is FREE:**

   **DISA** incoming call (Auto Attendant) or **DID** incoming call (ISDN DID) or **INTERCOM** call rings to an internal FREE station which **PROGRAM ZONE 504-ST-8=1** and without answered during the setting time in **PROGRAM ZONE 144** the call will be transferred to the first free assigned Station in **PROGRAM ZONE 400-05.**

■ **The called station is BUSY:**

   **DISA** incoming call (Auto Attendant) or **DID** incoming call

(ISDN DID) rings to an internal BUSY station which **PROGRAM ZONE 504-ST-8=1** and the called busy station has heard as twice as Busy Reminding Tone by the setting time in **PROGRAM ZONE 122** the call will be transferred to the first free assigned Station in **PROGRAM ZONE 400-05**.

0 = Disable XHold.

1 = Enable XHold.

2 = Disable XHold and System Wide CFW

3 = Enable XHold and System Wide CFW

---

**Interrelation Zones:  Program Zone 122, 144, 400-05, 504-ST-8 and System**

---

## 243      SOS Outgoing-Playing Times

**Aristel** ---

```
243     S.O.S. Times
TIMES=SS   00→99
```

AV
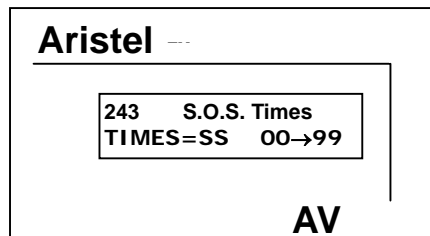
<-- Program Status Area

<-- SS=00~99

    Def.=00

**Description:**

Defines how many times of the SOS Voice Messages can be repeated on the outgoing line when SOS function is activated.

**(This function is not available for AV-64/AV-256)**

---

**NOTE 13:** SOS function will only operate with all of the following:

1. The user must assign one sensor for SOS function in Program Zone 303.

2. The user must record SOS message to voice sub-channel in Program Zone 402.

3. The user must assign SOS outgoing

---

**Interrelation Zones:  Program Zones 122, 144, 303, 400-05-IP, 402, 404, 504-ST-8**

---

## 244      Door Phone Sensor Capability

**Aristel** ---

```
244     Door SensorR
CAP.=S  (1:N  2:D)
```

AV

<-- Program Status Area

<-- S=0~2
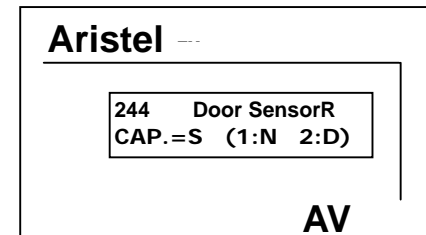
    Def.=0

**Description:**

As soon as either Door Sensor is activated or Door Phone button is pushed, the internal assigned stations in **PROGRAM ZONE 602** will be ringing according to the following service schedule:

---

0 = Both Day and Night enable

1 = Day disable, Night enable

2 = Day enable, Night disable

---

**Interrelation Zones:** Program Zones 124, 131, 249,

---

**Interrelation Zones:**     **Program Zone 502-PORT-2,**

                                      **504-ST-3 and System**

---

## 245    SLT & Voice Mail Message Waiting Function Capability

**Aristel** ---

```
245     SLT MSG FUN.
CAP.=S  (0:D  1:E)
                   AV
```

<-- **Program Status Area**

<-- **S=0~2**
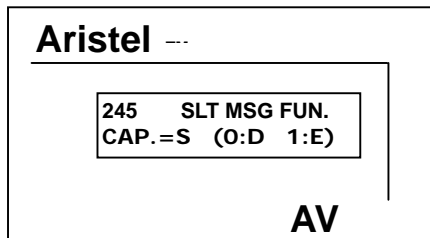
      **Def.=0**

**Description:**

Allows an internal SLT station or Voice Mail to leave messages to other internal parties by pressing the specific digit during a call.

0 = Disable

1 = Enable, SLT can leave message to another internal station by pressing digit **[6]**.

2 = Enable, Voice Mail can send the following codes to the system:

    pre-digit **[8]+[1]+[EXT NO]** to leave MSG and turn on the MSG lamp.

    pre-digit **[8]+[2]+[EXT NO]** to cancel MSG and turn off the MSG lamp.

## 246     Voice Recording Copy Capability

**Aristel** ---

```
246     VSU REC Copy
CAP.=S  (0:D  1:E)
                   AV
```

<-- **Program Status Area**

<-- **S=0~3**
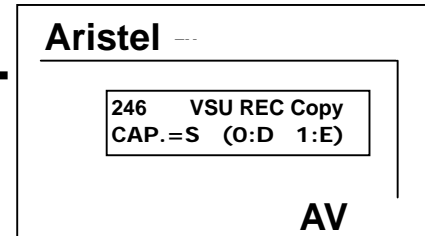
      **Def.=1**

**Description:**

**Allows the system to copy the same voice messages, which the user is recording to the voice channel, into another voice channel at the same time.**

**0 =** **All consoles in** PROGRAM ZONE 400 **can carry out VSU record/Play but without Copy function.**

1 = All consoles in **PROGRAM ZONE 400** can carry out VSU Record/Play with Copy function.

2 = Only consoles in **PROGRAM ZONE 400-08-01** can carry out VSU Record/Play but without Copy function.

3 = Only consoles in **PROGRAM ZONE 400-08-01** can carry out VSU Record/Play with Copy function.

---

**Interrelation Zones:  Program Zones 400, 402 and
System          Administrator's**

## 247      Background Music For CO Incoming
Ringing Signal Capability

**Aristel** –––

```
247      Co Ring BGM.
CAP.=S  (0:D  1:E)
```
**AV**

**<-- Program Status Area**

**<-- S=0~1**
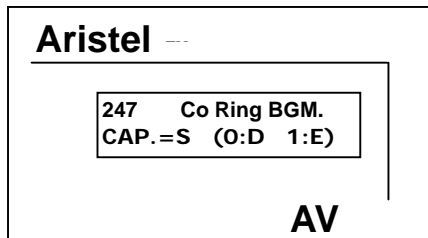
**Def.=0**

**Description:**

Replacing CO incoming ringing signal by background music (BGM) .

0 = Disable          1 = Enable

**Interrelation Zones:     Program Zones 600 and 601**

## 248        Call Forward Function Capability

**Aristel** –––

```
248    FWD. FUNC.
CAP.=S  (0:D  1:E)
```
**AV**

**<-- Program Status Area**

**<-- S=0~1**
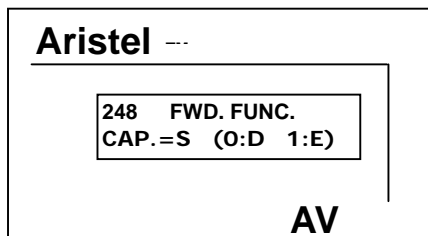
**Def.=1**

**Description:**

Allows the user to disable/enable Call Forward function.

0 = Disable          1 = Enable

**Interrelation Zone:     System Administrator's**

## 249          Ringing Signal For Door Phone Call

**Aristel** –––

```
249      Door BGM Rg.
CAP.=S  (1:B  2:R)
```
**AV**

**<-- Program Status Area**

**<-- S=0~2**
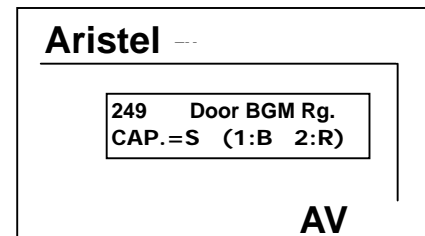
**Def.=0**

**Description:**

Allows the user to select the internal ringing signal when door phone calls.

0 =  The original door alarm.

1 =  Background music.

2 =  Incoming ringing signal.

**Interrelation Zones:  Program Zones 124, 131, 244**

## 250 Capability Of Console Entering System SPD/Name SPD/Alarm

**Aristel** ---

```
250      Ind. Console
CAP.=S  (O:D  1:E)
```
AV

**<-- Program Status Area**

**<-- S=0~1**

**Def.=1**

**Description:**

**Determines whether the console can assign the System Speed Dial, Name Speed Dial and System Alarm by individual Station Programming.**

0 = Disable        1 = Enable

**Interrelation Zone:        System Administrator's**

## 251 Metering Detection Capability or RS232 Modem Capability

**(Only forAV-38/AV-64/AV-256 equipped with EH-64)**

**Aristel** ---

```
251      Metering
CAP.=S  (O:D  1:E)
```
AV

**<-- Program Status Area**

**<-- S=0~4**

**Def.=0**

**Description:**

**Allows the system to detect metering Pulse which is a counting signal for telephone call charge sent from CO.**

0 = Disable.

1 = Detection 12 KHz Metering Pulse signal.

2 =  Detection 16 KHz Metering Pulse signal.

3 = Detection 12 KHz Metering Pulse signal and Enable Hotel Function (EH64).

4 =  Detection 16 KHz Metering Pulse signal and Enable Hotel Function (EH64).

● **Please refer to the Operational Manual of EH64 for the details of the Hotel Function.**

**Interrelation Zone:        Program Zone 132**

## 252 Limit Month Function

**Aristel** ---

```
252    Limit  Month
TIMES=SS  OO→12
```
AV

**<-- Program Status Area**

**<-- SS=00~12**

**Def.=00**

**Description:**

**The function will inhibit the outgoing to be made from any internal station during the setting month.**

00 = Allowed

01 = Disallowed on January

02 = Disallowed on February

..............

12 = Disallowed on December

```
┌─────────────────────────────────┐
│  Interrelation Zones:    None    │
└─────────────────────────────────┘
```

## 253    Special Warning Tone During HF/Override/Conference Capability

```
┌──────────────────────────────────┐
│  Aristel ▬▬                       │
│   ┌──────────────────┐            │
│   │ 253   spc Function│            │
│   │ TIMES=SS   00→99  │            │
│   └──────────────────┘            │
│                         AV         │
└──────────────────────────────────┘
```
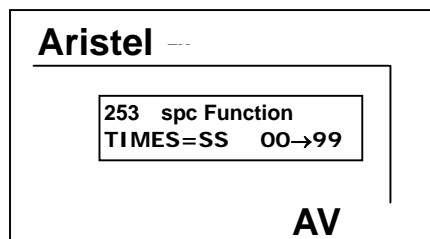
<-- **Program Status Area**

<-- **SS=00~99**

   **Def.=0**

**Description:**

Defines how many special warning tones will be heard by both internal and external parties if internal party is using handsfree, override or conference mode. The duration between tones is unchanged at 30 seconds. **(This function only for the Italian and Australian markets)**

```
┌─────────────────────────────────┐
│  Interrelation Zones:    None    │
└─────────────────────────────────┘
```

## 254    The Way For SLT To Put the Call On Hold Capability

```
┌──────────────────────────────────┐
│  Aristel ▬▬                       │
│   ┌──────────────────┐            │
│   │ 254     SLT. Flash_7 │         │
│   │ CAP.=S  (0:D  1:E) │           │
│   └──────────────────┘            │
│                         AV         │
└──────────────────────────────────┘
```

<-- **Program Status Area**

<-- **S=0~1**
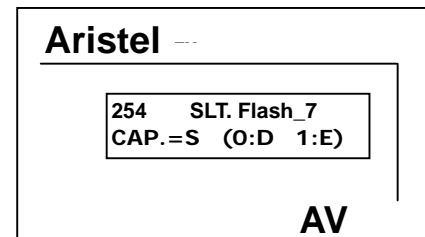
   **Def.=0**

**Description:**

Allows SLT stations to use the normal method or [FLASH] + [7] to put call on hold.

0 = Disable. SLT station puts the call on hold by HOOK FLASH or pressing [FLASH].

1 = Enable. SLT station puts the call on hold by HOOK FLASH and pressing [7], or pressing [FLASH] and [7]. If SLT hangs up after only HOOK FLASH or pressing [FLASH] the call will be disconnected immediately.

```
┌─────────────────────────────────┐
│  Interrelation Zones:    None    │
└─────────────────────────────────┘
```

## 255 ~ 299          Reserved For Future Use

■ **System Function - 1 (Zone 300 ~ 399)**

Interrelation Zones:    None

# 300    Reset Data To Default

**Aristel** —

```
300      System Reset
Reset=S    (1→3)
                    AV
```
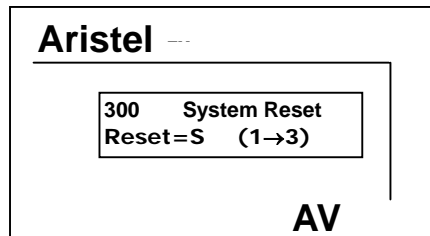
<-- **Program Status Area**

<-- **S=1~4**

   **Def.=0**

**Description:**

Allows the user to reset the system data.

1 =  System data (including the data of EH64) will be reset to the system default with the exception of System Speed Dial.

2 =  System data (including the data of EH64) will be reset to the system default.

**!**    **All system programming data will be lost.**

3 =  Reserved for the future use.

4 =  Only the Backup RAM data of EH64 will be reset.

**NOTE 14:** This program can only be carried out by a

# 301    System Password Setup

**Aristel** —

```
301        P-PROG
NN-IP
                    AV
```
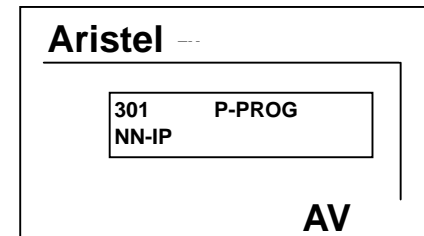
<-- **Program Status Area**

<-- **NN=01~30**

   **IP=Cursor Position=01~08**

**Description:**

**Provides up to thirty (30) sets of password for different usage. Each password has a maximum of 16 digits.**

**NN=01**

**Programming Password**: The password to enter the system programming.

Default:    **dddddddd**

(Refer to System Administrator's Manual)

**NN=02**

■ **SMDR Lock/Unlock Password**

   The password to lock/unlock system's RS232 output. The SMDR data will be stored in the system's memory.

AV-8          = 100 calls                                    NAV-8      = 100 calls

AV-12 = 100 calls

AV-38 = 100 calls

AV-64 = 250 calls or 1160 calls (for EH64)

AV-256 = 250 calls or 1160 calls (for EH64)

Default: **dddddddd**

(Refer to System Administrator's Manual)

■ **SOS Password (Not available for AV-64 and AV-256)**

The password work with [#55] and [#57] to turn on/off the SOS function.

Default: **dddddddd**

**NN=03**

**DISA Password**: The password for DISA callers to access another system free CO line for another outgoing.

Default: **1111dddd**

(Refer to System Administrator's Manual)

**NN=04**

**Toll Free Password**: The password to break all Toll Restrictions.

Default: **_ _ _ _ dddd**

(Refer to System Administrator's Manual)

**NN=05 (Not available for AV-256)**

**Incoming Paging Password**: The password for DISA caller to carry out Incoming Paging.

Default: **_ _ _ _ dddd**

**(Only available when Voice Service interface is installed)**

(Refer to System Administrator's Manual)

**NN=06**

**Reserved for future use.**

**NN=07**

■ **Night Service Password (**Only the station in **PROGRAM ZONE 400** can do**)**

The password to enable the Night Service.

Default: **_ _ _ _ dddd**

(Refer to System Administrator's Manual)

■ **DISA Modem Remote Programming Password**

Install RPC card (modem card) in the user's system. Dealer makes an incoming call to the user through DISA line. Dealer presses **[#] + [6] + [DISA Modem Password]**. The user's system will access (enable) console station in **PROGRAM ZONE 400-07-02** as a Remote Programming Station automatically. Following operation methods will be the same as the method of Remote Programming for PC operation. After the Remote Programming is completed, pressing **[*]** by the dealer to cut off the DISA line.

Default: **_ _ _ _ dddd**

**(Refer to the Operational Manual of SM)**

**NN=08**

**Headset Password**: The password to enable Headset function.

Default:  **_ _ _ _ dddd**

**(Refer to System Administrator's Manual)**

**NN=09 ~ 30=Reserved for Future Use**

> **Interrelation Zones:    Program Zones 235, 405,**

---

# 302   Relay Function

**Aristel** ---

```
302        Relay   Fun
SS    SS      SS      SS
```

**AV** *SERIES*

**<--Program Status Area**

**<-- NN=Relay Number.**NOTE 15

   **SS=Relay Function**

      **Code=00~18**

   **Def.=[ 02   00   00   00 ]**

**Description:**

Allows the user to select which functions the system relay can provide.

---

| NN Code | Function | NN Code | Function |
|---------|----------|---------|----------|
| 00 | Non Operation | 08 | Secret Recording |
| 01 | Music On Hold | 09 | Reserved |
| 02 | Door 1 Open | 10 | External All Zone Page |
| 03 | Door 2 Open | 11 | External Zone 2 Page |
| 04 | CO Loud Bell | 12 | External Zone 2 Page |
| 05 | Station Loud Bell | ⌇ | ⌇ |
| 06 | System Alarm | 18 | External Zone 8 Page |
| 07 | Remote Control | | |

> **Interrelation Zones:  Program Zones 504-ST-4 and**

---

# 303   Sensor Function

**Aristel** ---

```
303      Sensor       IP
S₁S₁ S₂S₂  D₁D₁ D2D2
```

**AV**
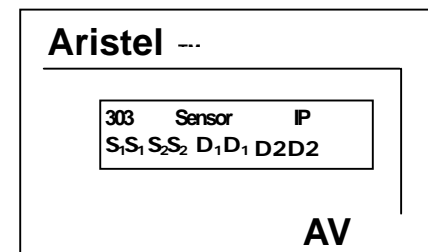
**<--  Program Status Area**

**<--  IP=Cursor Position** NOTE 16

   **SS=Sensor Function Code =**

      **00~18**

   **($S_1S_1$ = 1st Senor, $S_2S_2$ = 2nd**

   **Sensor,….., $S_NS_N$ = Nth**

   **Sensor)**NOTE 16

   **DD=Control Condition Code =**

**00~01**

**($D_1D_1$ = 1st Sensor, $D_2D_2$ = 2nd Sensor,….., $D_ND_N$ = Nth Sensor)** NOTE 16

**Def.=[ 03 00 00 00 00]**

**Description:**

Sensors are external devices connected to the system and allow the user to select which sensor operations can be controlled by the system.

| NOTE 16: | | |
|---|---|---|
| AV-8 | = | One sensor; IP=01~02, SS=$S_1S_1$ and DD=$D_1D_1$ |
| NAV-8 | = | Two sensors; IP=01~04, SS=$S_1S_1$~$S_2S_2$ and DD=$D_1D_1$~$D_2D_2$ |
| AV-12 | = | Two sensors; IP=01~04, SS=$S_1S_1$~$S_2S_2$ and DD=$D_1D_1$~$D_2D_2$ |
| AV-38 | = | Two sensors; IP=01~04, SS=$S_1S_1$~$S_2S_2$ and DD=$D_1D_1$~$D_2D_2$ |
| AV-80 | = | Four sensors; IP=01~08, SS=$S_1S_1$~$S_4S_4$ and DD=$D_1D_1$~$D_4D_4$ |
| AV-256 | = | Sixteen sensors; IP=01~17, |

● **Fire Alarm Application:**

When sensor is triggered all idle stations will ring continuously and all busy stations will hear the alarm tone. To cancel Fire Alarm, lift the handset and press **[#] + [5] + [2]**.

● **Break In Alarm Application:**

When sensor is triggered all idle stations will ring continuously and will stop ringing when the signal ceases.

● **SOS Application:**

As soon as the sensor is triggered the system will disconnect all the existing engaged lines and make outgoing calls through SPD according to **PROGRAM ZONE 243** and **404**. The message text of "SOS" will be displayed on the LCD key telephone. Operate the following codes from the station in **PROGRAM ZONE 400** can turn on/off the SOS function:

**[#]+[5]+[5]+[Password in PROGRAM ZONE 301-02]** = Turn Off SOS function.

**[#]+[5]+[7]+[Password in PROGRAM ZONE 301-02]** = Turn On SOS function.

| | Table 1 | | Table 2 | |
|---|---|---|---|---|
| **SS** | **Function** | **DD** | **Sensor Type** | |
| 00 | Non Operational | 00 | Low Level Control | |
| 01 | Fire Alarm (Continuous Alarm) | 01 | High Level Control | |
| 02 | Break In Alarm (Interrupted Alarm) | | | |
| 03 | Door 1 Switch Sensor | ● | **Low level means Normal Close** | |
| 04 | Door 2 Switch Sensor | | | |
| 05 | Relay Enable NOTE 17 | ● | **High level means Normal Open** | |
| 06 | SOS Sensor | | | |
| 07 | SOS and Relay NOTE 17 | | | |
| 08~18 | Reserved | | | |

**NOTE 17:  05 = Relay Enable**

---> Once the sensor is triggered the symmetrical relay will be enabled.

**Eg:  Sensor 1 enables Relay 1, Sensor 2 enables Relay 2, etc.**

07 = SOS and Relay

**Interrelation Zones:  Program Zones 124, 243, 404, 301-02  and  System**

# 304  Date And Time

**Aristel** —

```
304      D/M/Y    W
T     IP
```
                              **AV**

**<--Program Status Area**

**<--IP=Cursor Position=01~06**

**Def.=[ 09/11/98 5 08:30]**
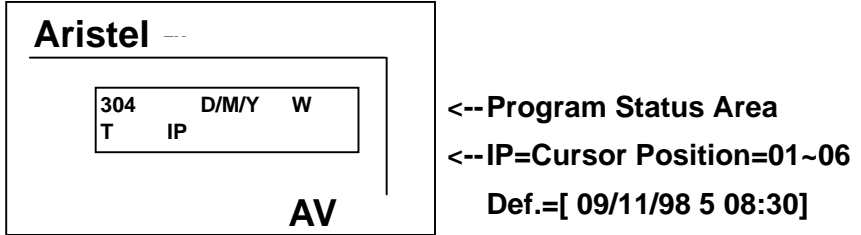
**Description:**

Sets system Date and Time and is controlled by the System's Real Time Clock. Users can see the current date and time displayed on the LCD. **(If format of Date for Australian market = dd/mm/yy)**

**mm** = Month = 01 ~ 12

**dd** = Day = 01 ~ 31

**yy** = Year = 00 ~ 99

**W** = Week = 1 ---> Monday

= 2 ---> Tuesday

= 3 ---> Wednesday

= 4 ---> Thursday

= 5 ---> Friday

= 6 ---> Saturday

= 7 ---> Sunday

**HH** = Hour = 00 ~ 23

**MM** = Minute = 00 ~ 59

Interrelation Zone:   Program Zone 204

# 305   System Alarm Clock

```
Aristel ⎯
   ┌─────────────────────┐
   │ 305 Alarm      NN-IP │
   │ OO:OO   OO  hh:mm    │
   └─────────────────────┘
                      AV
```
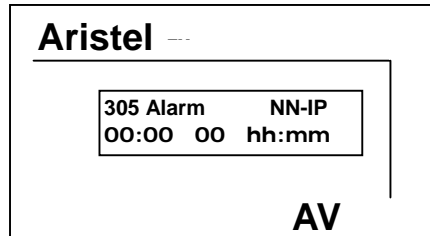
<-- Program Status Area

<-- NN=Alarm Schedule

Number=01~10

IP =Cursor Position

Number=01~03

**Description:**

The system provides ten (10) different time settings. All idle key stations will be activated by background music through the telephone speakers as soon as the alarm time is reached. If the system is installed with all SLTs

01=Alarm Time Schedule 1 ………….. 10=Alarm Time Schedule 10

● **hh** =   Hour   (00~23)

● **mm** =   Minute   (00~59)

● **dd** =   Duration (00~99)

Interrelation Zone:   Program Zone 206

# 306   Day Time Schedule

```
Aristel ⎯
   ┌─────────────────────┐
   │ 306 Day   TM    NN-IP │
   │ hh:mm     to         │
   └─────────────────────┘
                      AV
```
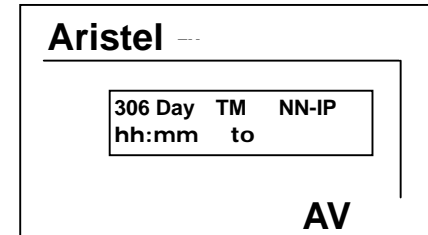
<-Program Status Area

<-NN=Day Schedule

Number=00~06

IP=Cursor Position

Number=01~03

Def.=[ 00:00 to 00:00 ] except

Sunday

**Description:**

Allows the user to set up Day Time Duration to let the system divide day and night time automatically when Day/Night switching is in Auto Mode.

● **Time setting**

hh   = Starting Hour Number = 00 ~ 23

mm   = Starting Minute Number   = 00 ~ 59

HH   = End Hour Number   = 00 ~ 23

MM   = End Minute Number   = 00 ~ 59

**If hh:mm = HH:MM means it is in the Night Service.**

● **Weekly Day setting**

NN   = 00 = Sunday

NN = 01 = Monday

NN = 02 = Tuesday

NN = 03 = Wednesday

NN = 04 = Thursday

NN = 05 = Friday

NN = 06 = Saturday

NN = 07 = Sunday

| Interrelation Zones: Program Zones 503-ST-5, |
|---|
| 503-ST-6, 600, 601, 604-CO-3, |
| 604-CO-5, 604-CO-7, 604-CO-8 |

# 307 SMDR Report

**Aristel** ---
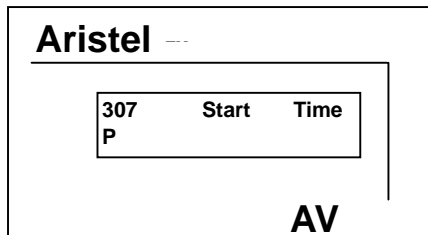
| 307 Start Time |
|---|
| P |
| AV |

**<-- Program Status Area**

**<-- P=Cursor Position**

**Number=1~8**

**Description:**

Station Message Detail Record specification which determines the characteristics of the detail report about each incoming or outgoing call.

**P = 1 = Recording Start Time = 0 ~ 9** ---> "**Start Time**"

The system will start to count the call duration as soon as the setting time is reached after the CO line is accessed.

0 = 00 seconds, 1 = 05 seconds, ....., 7 = 35 seconds, 8 = 40 seconds, 9 = 45 seconds

**P = 2 = Incoming Call Record = 0 ~ 1** ---> "**Rec_Incom**"

Incoming calls will be recorded by the system.

0 = Not Record         1 = Record

**P = 3 = Local call record = 0 ~ 1** ---> "**Rec_Local**"

Local calls will be recorded by the system.

0 = Not Record         1 = Record

(Refer to **Program Zone 206**)

**P = 4 = Incoming Call No Answer Record = 0 ~ 1** ---> "**Rec_NoAns**"

Whether to record incoming calls which are not answered.

0 = Not Record         1 = Record

**P = 5 Print Out The Title = 0 ~ 1 ---> "Rec_Title"**

Whether to print out the title.

0 = Not Print             1 = Print

**P = 6 = Number Of Record between Titles = 00 ~ 99 ---> "Title_No"**

Total numbers of records between two titles in the report.

**P = 7 = Polarity Reverse = 0 ~ 1 ---> Polarity**

Polarity Reverse is a reverse signal sent from the Central Office after the external called party answers. If the function is enabled the system will start to count the time of the outgoing call after the called party answers.

**(This function is not available in AV-8/NAV-8/AV-16H)**

0 = Disable          1 = Enable

**P = 8 = RS232 Output Port = 1 ~ 4 ---> SMDR Cabin**

  **Determines which serial printer or computer is connected to A2RSCA (RS232 interface) in which cabinet.**

**(This function is only available in AV-256)**

1 = 1$^{st}$ cabinet,    2 = 2$^{nd}$ cabinet,    3 = 3$^{rd}$ cabinet,

4 = 4$^{th}$ cabinet

### SMDR OUTPUT DATA FORMAT

| CO | Ext | S | Telephone Number | Account | MM/DD | Start | Duration | Ring |
|----|-----|---|------------------|---------|-------|-------|----------|------|
| 01 | 12 |   | 0088629993380 | 9125 | 12/01 | 08:35 | 00:05'35" | |
| 05 | 15 | X | 123567890 | | 12/01 | 09:00 | 00:09'45" | |
| 02 | 17 | D | Incoming | 1111 | 12/01 | 09:10 | 00:05'19" | 00'02" |
| 03 | NN |   | Incoming No Answer | | 12/01 | 10:00 | | 00'30" |
| 04 | 13 | # | Incoming | | 12/01 | 10:09 | 00:00'15" | 00'03" |
| 04 | 11 | * | Incoming | | 12/01 | 10:11 | 00:03'10" | |
| 01 | d-03 | d | 090901123 | | 12/01 | 12:00 | 00:10'45" | |
| 06 | 14 |   | 0088626522222 | FAC:01 | 12/01 | 12:30 | 00:04'45" | |

### Title Illustration

| | | | |
|---|---|---|---|
| **Ext** = Station Number | **X** | = Cut by restriction |
| **CO** = CO Number | **Telephone Number** | = 24 digit maximum |
| **S** = Control Status | **Account** | = 8 digit maximum |
| **D** = DISA Incoming | **MM/DD** | = Month/Day |
| **d** = DISA Outgoing | **Start** | = Time to access a CO line (hh:mm) |
| # = Hold | **Duration** | = Time duration of the call (hh:mm'ss") |
| * = Answer call on hold | **Ring** | = Incoming ringing time (mm'ss") |

**Case Illustration: (Date: December 01)**

**Case 1:**

08:35, Station 12 made a 5 minutes 35 seconds call (Tel. No. 0088629993380) through line 1 and stored Account No. 9125.

**Case 2:**

09:00, Station 15 made a call through line 5 but was restricted.

**Case 3:**

09:10, DISA incoming call through line 3, call duration 5 minutes 19 seconds.

**Case 4:**

10:00, incoming call through line 3 rang for 30 seconds. No answer and call abandoned.


**Case 5:**

10:09, incoming call through line 4 rang for 3 seconds and answered by Station 13. After 15 second conversation call placed on hold.

**Case 6:**

10:10, Station 11 retrieved held call, placed on hold by Station 13, on line 4.

**Case 7:**

12:00, incoming call through line 3 used DISA function and made another outside call to 09091123 by line 1. Duration time is for line 1.

**Case 8:**

12:30, Station 14 made a Toll call through line 6 by Forced Account Code 01.

Interrelation Zone:    Program Zone 228

# 308   Midday Time

```
Aristel --

  308          Midday
  NN-IP

              AV
```
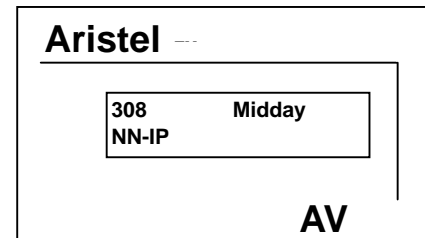
**<--Program Status Area**

**<--NN=Midday Schedule**
       **Number=00~06**
     **IP =Cursor Position**
       **Number=01~03**
      **Def.=[ 00:00 to 00:00 ]**

**Description:**

- With Voice service interface installed the program allows users to set up the Midday Time Duration. Incoming calls will not ring to internal stations during the setting time but LED for the incoming line will still flash.

- Without Voice Service interface installed all incoming calls will ring only to the stations assigned in **PROGRAM ZONE 601-01-IP (IP=09 ~ 16)**.

- **Time Setting:**
  **hh**  = Starting Hour Number  = 00 ~ 23
  **mm** = Starting Minute Number = 00 ~ 59

**HH** = End Hour Number        = 00 ~ 23

**MM** = End Minute Number    = 00 ~ 59

- **Weekly Day Setting:**

  NN = 00 = Sunday

  NN = 01 = Monday

  NN = 02 = Tuesday

  NN = 03 = Wednesday

  NN = 04 = Thursday

  NN = 05 = Friday

  NN = 06 = Saturday

  NN = 07 = Sunday

> **Interrelation Zones:**    **Program Zones 219, 402, 600**

---

# 309 ~ 399      Reserved For Future Use

# ■ System Function - 2 (Zone 400 ~ 499)

---

## 400    Console Arrangement
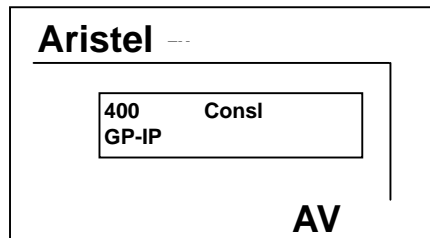
```
Aristel

  ┌─────────────────────┐
  │ 400        Consl    │
  │ GP-IP               │
  └─────────────────────┘
                    AV
```

<--**Program Status Area**

<--**SSSS= Station Number**

= 2~4 digits

GP=Group Number=01~08

IP=Cursor Position=01~04

Def.=[11 12 13 14]

**Description:**

The program assigns console stations in eight (8) groups. Any station can dial [0] or [9] to call the first available station in the same console group.

- The station position **IP=01** in each group is the Master Console for that group.

**FOLLOWING CONSOLES ARE SPECIAL USED IN SOME PURPOSES:**

- **400-04-IP:**
  **PROGRAM ZONE 219=5**, during the Midday Time the DISA call (according to the conditions in **PROGRAM ZONE 218**) will be transferred to the assigned consoles here. The consoles will not ring but have an Alert Tone to be heard from the speaker.

- **400-05-IP: (Not available in AV-8/NAV-8/AV-16H/AV-24)**
  After System Wide CFW function is enabled, the call to the Busy or No Answer internal station will be forwarded to the first free console station here. The **Hunting** function is provided here automatically. The function  is very useful for the Voice Mail application.

- **400-06-IP:**
  **PROGRAM ZONE 219=5**, during the Night Time the DISA call (according to the conditions in **PROGRAM ZONE 218**) will be transferred to the assigned consoles here. The consoles will not ring but have an Alert Tone to be heard from the speaker.

- **400-07-01:**
  If the assigned station is SLT and **PROGRAM ZONE 218** is enabled, DISA calls will be transferred to the assigned SLT station here after the system has checked the consoles for three (3) times if the call still is not answered. Once DISA call is transferred to the assigned SLT station the rechecking cycle will be the same as **PROGRAM ZONE 218**. You are recommended to assign the Answering Machine or Voice Mail to be used for the caller to leave the messages.

● **400-07-02:**

Dealer makes an incoming call to the user's system through DISA line for Remote Programming function and is answered, the user's system will access (enable) the console station here as Remote Programming station as soon as the dealer pressing [   ] + [6] + [DISA Modem Password].

● **400-07-03: (Only available in NAV-8 with A3VSCB)**

Incoming call through the **VOICE DISA (Auto Attendant operated by A3VSCB)** and answered by the system, if the system detects the FAX signal whilst playing the Greeting Message, the call will be transferred to the assigned SLT station automatically. If the system does not detects any FAX signal, the operation will be the same as the normal Auto Attendant operation.

● **400-08-01:**

**PROGRAM ZONE 246=2 (or 3)**, only the assigned key station here can Record and Play the Voice Messages on the Voice Service Unit.

● **400-GP-01:**

Station dials [9] (or [0]) to call consoles which consoles' group is the same as the Station Group of the calling station in **PROGRAM ZONE 503-ST-1**, if all of the consoles in that group

are busy the calling station can press [MSG] (or [6]) to leave the message to the first console.

● **400-GP-04:**

Station dials [9] (or [0]) to call consoles which consoles' group is the same as the Station Group of the calling station in **PROGRAM ZONE 503-ST-1**, if all of the consoles in that group are busy the calling station can press [1] to ring to the last console and the Ringing Reminder can be heard from the speaker of the console's telephone.

---

**Interrelation Zones:   Program Zones 122, 201, 218, 219,**

---

## 401    One Digit Dialing (ODD) Function
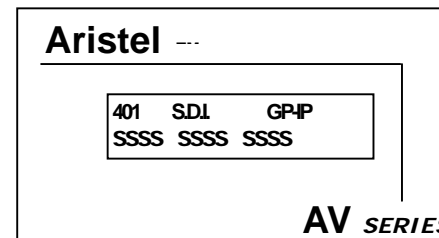
**Aristel** ---

| 401 | S.D.1 | GP-IP |
|-----|-------|-------|
| SSSS | SSSS | SSSS |

**AV** *SERIES*

**<-- Program Status Area**

**<--    SSSS=Station Number**

**= 2~4 digits**

**GP=Group Number=01~08**

**IP=Cursor Position=01~08**

**Def.=[00 00 00 00 00 00 00 00]**

**Description:**

Allows the user to call intercom by dialing one setting numerical digit. It is useful for Hotel/Motel applications. A total of eight (8) numerical

digits can be used individually in each group.

**EXAMPLE:**

**IP = 01~08** Stations positioned here can be called by dialing numerical digit **[1] ~ [8]**.

```
Interrelation Zone:   Program Zone 209
```

# 402    Voice Service

```
Aristel ---

    402   VSU  An  NN-IP
    SSSS   SSSS   SSSS

                        AV
```
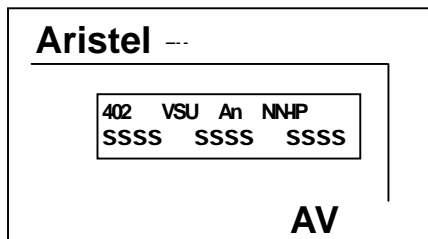
**<--   Program Status Area**

**<--   SS=Voice Function Code   = 01~20**

**NN=Voice Channel Number**

NOTE 18

**IP=Cursor Position=01~20**

**Def.=[00 00 00 00...... 00 00 00 00]**

**Description:**

Allows the user to divide each voice service channel of the optional Voice service Card into a maximum of 20 sub-channels with different function requirements.

- **IP = Cursor Position Number**

  IP = 01 = Sub-channel number 1.

  IP = 02 = Sub-channel number 2

  ............

IP = 20 = Sub-channel number 20

- Assign each Voice section as one of the following 20 functions.

- If the Voice Channel is used for DISA line in AV-64/AV-256, it is necessary to assign the Voice Channel number in **PROGRAM ZONE 600 and 601** to be the incoming call station. It is not necessary to repeat this step in AV-8/NAV-8/AV-16H/AV-24/AV-38.

```
NOTE 18:  AV-8/NAV-8/AV-12    =There is only one
                              Voice Service Channel.
          NN = 01 = The 1st Voice Service
                    Channel. (Channel number =
                    [# 6 3])
          AV-38  =There is a maximum of two Voice
                    Service Channels.
          NN = 01 = The 1st Voice Service
                    Channel. (Channel number =
                    [# 6 3])
          NN = 02 = The 2nd Voice Service
                    Channel. Channel number =
                    [# 6 4])
          AV-64 = There is a maximum of 12 Voice
                    Service Channels.
          NN = 01 = The 1st Voice Service
          Channel...............
          NN = 12 = The 12th Voice Service
          Channel.
          AV-256       = There is a maximum of 40
                    Voice Service Channels.
          NN = 01 = The 1st Voice Service
                    Channel. ................
          NN = 40 = The 40th Voice Service
                    Channel.
(Channel number of AV-64 and AV-256 is assigned
in Program Zone 502-CSN-1)
```

**Voice Service Table**

| Function Code SS | Function Illustration |
|---|---|
| 00 | No Operation |
| 01 | Company Greeting Message |
| 02 | Station Busy Message |
| 03 | Non Existent Station Message |
| 04 | All Consoles Busy Message |
| 05 | No Answer Message |
| 06 | Holding Message |
| 07 | Voice Service Ending Message |
| 08 ~ 15 | Reserved For Future Use |
| 16 | The second ACD Reminding Message |
| 17 | The first ACD Reminding Message |
| 18 | Midday Message |
| 19 | Holiday (or Off Duty) Message |
| 20 | Wake Up Call Message |

**Interrelation Zones:     Program Zones 211, 221, 306, 308, 502-CSN-1, 600, 601,**

## 403   Forced Account Code (FAC)

```
Aristel  ---

   403    FAC      NN-IP
   _ _ _ _ _ _ _ _

                          AV
```
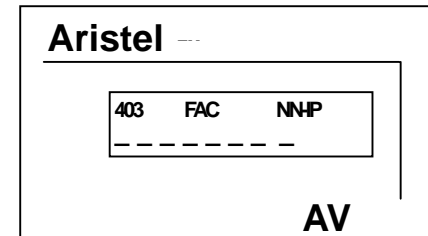
<--**Program Status Area**

<--**NN=Forced Account Code** NOTE 19

**IP=Cursor Position=01~08**

**Def.=[ _ddddddd ]**

**Description:**

Allows the user to temporarily break through Toll Restriction. A maximum of 8 digits can be entered.

| Key | LCD Display | Description |
|---|---|---|
| DSS10 | dddddddd | Clear all digits |
| DSS15 | _ | Clear a specific digit |
| DSS20 | d | Allows any digit to be used |

NOTE 19:  AV-8/NAV-8  = There are a maximum of 26 sets of Forced Account Codes. **NN = 01 ~ 26**

AV-12/38  = There are a maximum of 26 sets of Forced Account Codes. **NN = 01 ~ 26**

AV-64  = There are a maximum of 64 sets of Forced Account Codes. **NN = 01 ~ 64**

AV-256  = There are a maximum of 99 sets of Forced Account Codes. **NN = 01 ~ 99**

Interrelation Zones  Program Zones 507-ST-3

# 404    Speed Dial Code Assignment

**Aristel** ---

404        CO:TT
NNN-IP

AV

<--**Program Status Area**

<--**NNN=Speed Dial   Code**NOTE 20

**IP=Cursor Position=01~30**

**Def.=Without any entry**

**Description:**

Allows the user to enter the desired telephone number into the system database for memory back-up. System Speed Dialing is

according to the Speed Dial Code only without Name Speed Dialing provided here.

- A total of 30 digits can be entered in each Speed Dialing Code.

- If Automatic SOS is enabled, NNN = 111~118 will become the outgoing numbers of CO1~CO8.

**NOTE 20:**

1. **AV-8/NAV-8** = There are 600 sets of Speed Dial Codes. **NN = 100 ~ 699.**

**AV-12/38**  = There are 600 sets of Speed Dial Codes. **NN = 100 ~ 699**

**AV-64/256** = There are 900 sets of Speed Dial Codes. **NN = 100 ~ 999**

2. **AV-8/NAV-8** --- > TT = CO line number = 01 ~ 03

**AV-12**      --- > TT = CO line number = 01 ~ 04

**AV-38**      --- > TT = CO line number = 01 ~ 08

**AV-64**      --- > TT = CO line number = 01 ~ 20

**AV-256**     --- > TT = CO line number = 01 ~ 40

If **TT = 00** then the system will select a free CO line for SPD according to the assigned Dial [9] group in **PROGRAM ZONE 503-ST-3 and 603**. Pressing **[DSS5]** key can change the assigned CO number TT.

**Name Speed Dialing:**

If **PROGRAM ZONE 227 = 1** enables Name Speed Dial Function, the speed dial code can be replaced by a personal name. Pressing [DSS5] will change Speed Dial Code status to Name Entrance status.

For Name Entrance status, dial the following numerical key on the key phone to enter letter. Once one letter is entered press [DSS3] to go back to the previous position or press [DSS4] to go forward to the next position to set another letter.

**A** = [2]  **B** = [2][2]  **C** = [2][2][2]  **D** = [3]

**E** = [3][3]  **F** = [3][3][3]  **G** = [4]  **H** = [4][4]

**I** = [4][4][4][4]  **J** = [5]  **K** = [5][5]  **L** = [5][5][5]

**M** = [6]  **N** = [6][6]  **O** = [6][6][6]  **P** = [7]

**Q** = [1] or [7][7]  **R** = [7][7][7]  **S** = [7][7][7][7][7]  **T** = [8]

**U** = [8][8]  **V** = [8][8][8]  **W** = [9]  **X** = [9][9]

**Y** = [9][9][9]

**Z** = [1][1] or [9][9][9][9]  Abbreviating dot " • " = [0]

| Key | LCD Display | Description |
|-----|-------------|-------------|
| DSS15 | F | Flash |
| DS20 | Blank | Clear the current digit |
| DSS23 | p | Pause |
| DSS24 | T | Pulse to Tone (DTMF) |

**Pause** : A temporary stop in dialing (see **PROGRAM ZONE 100** and **232**).

**Flash** : A loop disconnection for a re-determined duration.

**Pulse to DTMF** : Change of signaling from Pulse to DTMF.

---

**Interrelation Zones:  Program Zones 100, 225, 227**

## 405    Toll Group Assignment

**Aristel** —

| 405 | Toll | NN-IP |
|-----|------|-------|
| 0 0 0 0 0 0 0 | | |

**AV**
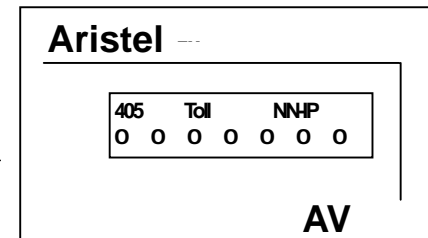
<--**Program Status Area**

<--**NN=Toll Group Number**
    **=00~09**
    **IP=CO Number=01~08**

**Description:**

The following function table is for the cross reference that defines which kind of dialing capability for each CO line can be operated on each station. The table explains the theory of toll restriction operation.

● There are ten (10) valid groups

● IP = CO line number

● There are ten (10) Toll Layers that can be assigned to each CO line in each Toll Group.

**Toll Layers:**

| Layer | Function | Interrelation |
|-------|----------|---------------|
| 0 | Unrestricted | |
| 1 | Dialed local numbers assigned length | Zone 206 |
| 2 | Can only dial Common Allowed Code | Zone 406 |
| 3 | Can dial any numbers except Common Disallowed Code | Zone 407 |
| 4 | Allowed to dial numbers with Allowed Area Code A, | Zones 408/410 |

| | | | |
|---|---|---|---|
| **5** | | Office Code A | |
| | | Allowed to dial numbers with Allowed Area Code B, Office Code B | Zones 409/411 |
| **6** | | Allowed to dial numbers with Allowed Area Code A+B, Office Code A+B | Zones 408/409/ 410/411 |
| **7** | | Toll Private Line | |
| **8** | | Cannot access the trunk line | |
| **9** | | Reserved | |

**Interrelation Zones:    Program  Zone  203,  503-ST-5**

# 406    Common Allowed Code

**Aristel** ⁻⁻⁻

```
406    Allow    NN-IP
119 _ _ _ _ _ _
```

**AV**

**<--Program Status Area**

**<--NN=Allow Code** NOTE 21

**IP=Cursor Position=01~11**

**Description:**

Allows the telephone number assigned here to be unrestricted, even when the dialing station is restricted by Toll Restriction.

● Common Allowed Code is the second priority in any Toll Restriction.

● A total of 11 digits can be entered in each Allowed Code.

● Key Functions:

| Key | LCD Display | Description |
|---|---|---|
| DSS10 | ddddddd | Clear all digits |
| DSS15 | _ | Clear a specific digit |
| DSS20 | d | Allows any digit to be used. |

**EXAMPLE:**

```
406  Allowed  01-IP
_ _ _ _ _ _ _ _ _ _ _
```
```
406  Allowed  02-IP
0 7 7 4 9 5 5 4 4 _ _
```
```
406  Allowed   03-IP
0 6 0 d d d d d d d d
```

Code 01:

No numbers allowed

Code 02:

Allow only number

**[077495544]**

Code 03:

Allow numbers

**beginning with [060]**

**Interrelation Zone:  Program Zone 405**

# 407    Common Disallowed Code

**Aristel** ⁻⁻⁻

```
407        Disall
NN-IP
```

**AV**
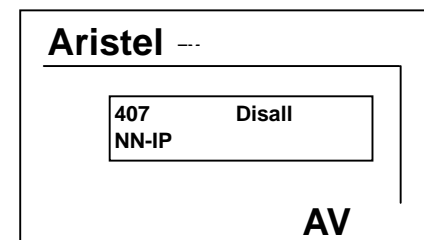
**<--Program Status Area**

**<--NN=Disallowed Code** NOTE 21

**IP=Cursor Position=01~11**

**Description:**

Prevents the telephone number assigned here being dialed, even if the dialing station is unrestricted by Toll Restricted.

- Common Disallowed Code is the first priority in any other Toll Restriction.
- A maximum of 11 digits can be entered in each Allowed code
- Key Functions.

| Key | LCD Display | Description |
|---|---|---|
| DSS10 | dddddddd | Clear all digits |
| DSS15 | _ | Clear a specific digit |
| DSS20 | d | Allows any digit to be used |

**EXAMPLE:**

| 407   Disall   01-IP |
|---|
| _ _ _ _ _ _ _ _ _ _ _ |

| 407   Disall   02-IP |
|---|
| 077495544_ _ |

| 407   Disall   03-IP |
|---|
| 060dddddddd |

Code 01:          Code 02:          Code 03:

No numbers       Disallow only      Disallow numbers

Disallowed       number **[077495544] beginning with [060]**

---

Interrelation Zone:  Program Zone 405

---

## 408      Area Code - A

**Aristel** —

| 408     Area_A     NN-IP |
|---|
| _ _ _ |

AV
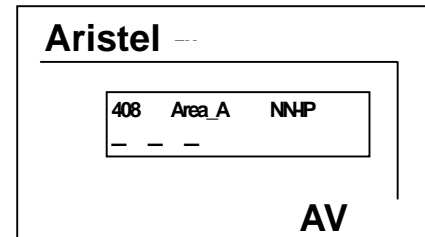
**<--Program Status Area**

**<--NN=Area Code** NOTE 21

**IP=Cursor Position=01~03**

**Description:**

Area numbers are followed by Toll Access Code (**PROGRAM ZONE 203**). Allows unrestricted dialing by any station in Toll Layers 5 and 6 of Area numbers assigned here.

- A maximum of three (3) digits can be entered in each Code.
- Set up Toll Access Code beforehand. (Program Zone 203)
- Key Functions:

| Key | LCD Display | Description |
|---|---|---|
| DSS10 | dddddddd | Clear all digits |
| DSS15 | _ | Clear a specific digit |
| DSS20 | d | Allows any digit to be used. |

**EXAMPLE:**

| 408  Area_A  01-IP |
|---|
| 69d |

| 408  Area_A  02-IP |
|---|
| d_ _ |

| 408  Area_A  03-IP |
|---|
| _ _ _ |

| | | | | | |
|---|---|---|---|---|---|
| Code 01: | Code 02: | Code 03: | DSS15 | _ | Clear a specific digit |
| Area Code beginning | Any Area Codes are | Without any Area | DSS20 | d | Allows any digit to be used. |
| with **[Toll Access Code]** | allowed | Codes are allowed | | | |
| **+[69]** are allowed | | | | | |

**EXAMPLE:**

| | | |
|---|---|---|
| 409  Area_B  01-IP<br>69d | 409  Area_B  02-IP<br>d__ | 409  Area_B  03-IP<br>_  _  _ |

**Interrelation Zone:    Program Zone 203 and 405**

# 409    Area Code - B

**Aristel** ---

409    Area_B    NN-IP
_ _ _

**AV**

<--**Program Status Area**

<--**NN=Area Code** NOTE 21

    **IP=Cursor Position=01~03**

| | | |
|---|---|---|
| Code 01: | Code 02: | Code 03: |
| Area Code beginning | Any Area Codes are | Without any Area |
| with **[Toll Access Code]** | allowed | Codes are allowed |
| **+[69]** are allowed | | |

**Interrelation Zone:    Program Zone 203 and 405**

**Description:**

Area numbers are followed by Toll Access Code (Program Zone 203). Allows unrestricted dialing by any station in Toll Layers 5 and 6 of Area numbers assigned here.

- A maximum of 3 digits can be entered in each Code.
- Set up Toll Access Code beforehand. (Program Zone 203)
- Key Functions:

| **Key** | **LCD Display** | **Description** |
|---|---|---|
| DSS10 | dddddddd | Clear all digits |

# 410    Office Code - A

**Aristel** ---

410    Offi_A    NN-IP
_ _ _

**AV**
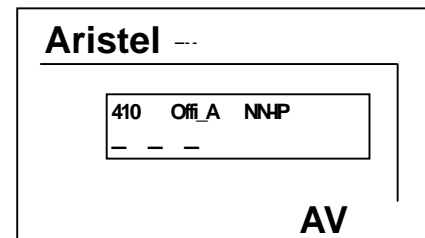
<--**Program Status Area**

<--**NN=Office Code** NOTE 21

    **IP=Cursor Position=01~03**

**Description:**

Office numbers A are 3 digits followed by Area Code (Program Zone 408). Allows unrestricted dialing by any station in Toll Layers 4 and 6 of Office numbers assigned here.

- A maximum of 3 digits can be entered in each Code.
- Set up Toll Access Code and Area Code A beforehand. **PROGRAM ZONE 203 and 408)** .
- Key Function:

| Key | LCD Display | Description |
|-----|-------------|-------------|
| DSS10 | dddddddd | Clear all digits |
| DSS15 | _ | Clear a specific digit |
| DSS20 | d | Allows any digit to be used. |

**EXAMPLE:**

| 410 Office_A 01-IP<br>69d | 410 Office_A 02-IP<br>d__ | 410 Office_A 03-IP<br>_ _ _ |
|---|---|---|

Code 01:            Code 02:          Code 03:

Office Codes beginning  Any Office Codes   Without any Office

With **[69]** are allowed    are allowed        Codes are allowed

| **Interrelation Zone:** | **Program Zone 203, 405 and** |
|---|---|

## 411      Office Code - B
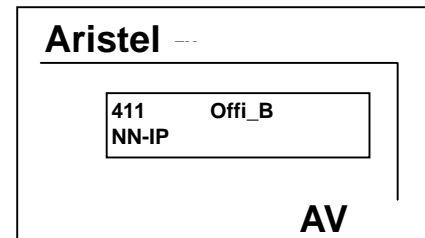
**Aristel** —

| 411      Offi_B |
| NN-IP |

<--**Program Status Area**

<--**NN=Office Code** [NOTE 21]

     **IP=Cursor Position=01~03**

**AV**

**Description:**

Office numbers A are followed by Area Code A (Program Zone 408).

Allows unrestricted dialing by any station in Toll Layer 5 and 6 of Office numbers assigned here.

- A maximum of 3 digits can be entered in each Code.
- Set up Toll Access Code and Area Code A beforehand.
- Key Function:

| Key | LCD Display | Description |
|-----|-------------|-------------|
| DSS10 | dddddddd | Clear all digits |
| DSS15 | _ | Clear a specific digit |
| DSS20 | d | Allows any digit to be used. |

| **NOTE 21:AV-8/NAV-8** --- > NN = 01 ~ 30 |
| **AV-16H/24/38** --- > NN = 01 ~ 30 |

**EXAMPLE:**

```
┌────────────────────────┐   ┌────────────────────────┐   ┌────────────────────────┐
│ 411  Office_B 01-IP    │   │ 411  Office_B 02-IP    │   │ 411  Office_B 03-IP    │
│ 69d                    │   │ d _ _                  │   │ _   _   _              │
└────────────────────────┘   └────────────────────────┘   └────────────────────────┘
```

Code 01:                    Code 02:              Code 03:

Office Codes beginning   Any Office Codes    Without any Office

With **[69]** are allowed    are allowed         Codes are allowed

```
        ┌─────────────────────────────────────────────────────────┐
        │ Interrelation Zone:      Program Zone 203, 405 and      │
        └─────────────────────────────────────────────────────────┘
```

---

# 412 ~ 499   Reserved For Future Use

# ■ Station Function (Zone 500 ~ 599)

## 500    Key Group Assignment (For KP)

```
Aristel ─

   ┌──────────────────────┐
   │ 500   Key GP  GP-IP   │
   │ NNNN                  │
   └──────────────────────┘
                    AV
```
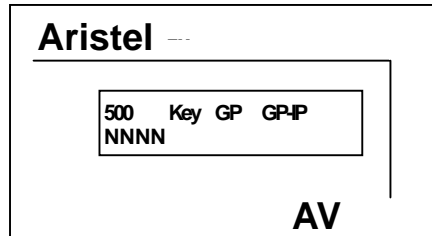
<--**Program Status Area**

<--**GP = 01~08, IP = 01~25**

**Description:**

Assigns eight (8) groups of Flexible DSS keys for Key Phone and each Key Phone can be assigned to one group.

● Each key can be assigned as either a **CO** or **Station** or **Function** or **SPD**.

● Pressing **[DSS5]** key can change **CO** to **Station** or **Function** or **SPD**.

**NNNN can be either one of the following settings:**

1.  **CO:NN =** The display for the user to assign each DSS Key as a CO line key.

    **CO**      = CO line number <sub>NOTE 22</sub>

```
┌─────────────────────────────────────────┐
│ NOTE 22: AV-8/NAV-8   —> CO = 01 ~ 03    │
│          AV-12        —> CO = 01 ~ 08    │
│          AV-38        —> CO = 01 ~ 12    │
│          AV-64        ---> CO = 01 ~ 20  │
│          AV-256       ---> CO = 01 ~ 40  │
└─────────────────────────────────────────┘
```

2.  **NNNN =** The display for the user to assign each DSS Key as a Station key. **Station Number can be two (2) to four (4) digits.**

3.  **FN:NN =** The display for the user to assign each DSS Key as a Function key.

    **FN**       = Function Code (00 to 99) Please refer to "Definition of Function Code Table".

4.  **SPD:NNN =** The display for the user to assign each DSS Key as a Speed Dial key. **(SPD DSS Key is only available for DSS64 Phone in PROGRAM ZONE 501, and useless for Key Phone in PROGRAM ZONE 500)**

```
┌───────────────────────────────────────────────┐
│ Interrelation Zones:    Program Zone 503-ST-02 and │
└───────────────────────────────────────────────┘
```

## 501    Key Group Assignment (For DSS)

**The programming is the same as** PROGRAM ZONE 500 **except for DSS64 phone and is available for AV-24/AV-38/AV-64/AV-256.**

```
Aristel ─

   ┌──────────────────────┐
   │ 501   DSS GP  GP-IP   │
   │ CO:00                 │
   └──────────────────────┘
                    AV
```
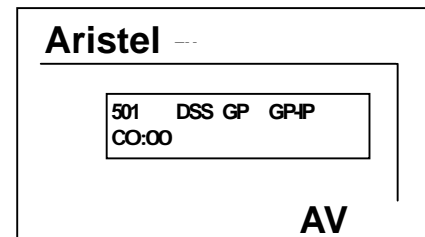
<--**Program Status Area**

<--**GP = 01~08, IP = 01~64**

## Definition of Function (FN) Code:

| Code | Function | Code | Function |
|------|----------|------|----------|
| 00 | Non-Operational | 39 | Paging Zone 8 |
| 01 | Message Waiting/Pulse to Tone Change over | 40 | Paging External Zone |
| 02 | Do Not Disturb/Conference | 41 | Paging External Zone 1 |
| 03 | MICrophone/Auto Answer | 42 | Paging External Zone 2 |
| 04 | Save | 43 | Meet Me Paging |
| 05 | Account Code | 44 | Pick Up All Group |
| 06 | Call Forward | 45 | Pick Up Own Group |
| 07 | Call Forward All | 46 | Pick Up Group |
| 08 | Call Forward Busy | 47 | Pick Up Group 1 |
| 09 | Call Forward No Answer | 48 | Pick Up Group 2 |
| 10 | Call Forward Busy/No Answer | 49 | Pick Up Group 3 |
| 11 | Follow Me | 50 | Pick Up Group 4 |
| 12 | Security Code | 51 | Pick Up Group 5 |
| 13 | Temporary Security Code | 52 | Pick Up Group 6 |
| 14 | Set Macro Function | 53 | Pick Up Group 7 |
| 15 | Set Voice | 54 | Pick Up Group 8 |
| 16 | Individual Alarm (Station) | 55 | Pick Up Station |
| 17 | Individual Alarm (Console) | 56 | Pick CO line |
| 18 | Date/Time (Console) | 57 | Auto Find CO line |
| 19 | Help List | 58 | Baby Monitoring |
| 20 | System Program | 59 | Fire Alarm Off |
| 21 | Speed Dial | 60 | Lock/Unlock SMDR Output |
| 22 | Console Speed Dial (System) | 61 | Open Door/Door Status 1 |
| 23 | Console Speed Dial (Individual) | 62 | Open Door/Door Status 2 |
| 24 | Morning Call (Assign Alarm) | 63 | VSU 1 |
| 25 | Day/Night Service | 64 | VSU 2 |
| 26 | Outgoing Message | 65 | Call Park |
| 27 | Toll Password | 66 | Split/Swap |
| 28 | Paging All | 67 | Morning Call |
| 29 | Paging All Internal | 68 | Check In |
| 30 | Paging All External | 69 | Check Out |
| 31 | Paging Zone | 70 | Calculator |
| 32 | Paging Zone 1 | 71 | Call Door 1 |
| 33 | Paging Zone 2 | 72 | Call Door 2 |
| 34 | Paging Zone 3 | 73 | Monitor Station |
| 35 | Paging Zone 4 | 74 | Setting CO Name Speed Dial |
| 36 | Paging Zone 5 | 75 | Security Recording |
| 37 | Paging Zone 6 | 76 | Setting Extension Name |
| 38 | Paging Zone 7 | 77 | [FN=74]+[1] |

| Code | Function | Code | Function |
|------|----------|------|----------|
| 78 | [FN=74]+[2] | 86 | Reset the Time Counter During the External Call |
| 79 | [FN=74]+[3] | 87 | Delete Saved Numbers Manually (for 5 different numbers save redial function) NOTE 23 |
| 80 | The 1st ↔ the 2nd DSS Key Page | 88 | Remote Programming Code with Modem (**[SPD]+[FUNC]+[6]**) |
| 81 | Ringing Volume Level Control | 89 | Remote Programming Code without Modem NOTE 24 |
| 82 | Speaker Volume Level Control | 90 | Account Code NOTE 25 |
| 83 | Handset Volume Level Control | 91 | Reserved |
| 84 | Ringing Frequency Control | 92 | CLI Saved Numbers Display Refer to UF-CND Operational Manual |
| 85 | Auto (Save) Redial NOTE 23 | | |

## Definition of Function (FN) Code:

**NOTE 23:**

**OPERATION EXAMPLE:**

- **5 Numbers Auto Redialing Operation (only Key Phone can do, and must under handsfree dialing)**

  **Step 1.** Accessing a free CO line from key station.

  **Step 2.** Dialing the desired telephone number and pressing [SAVE] during hearing busy tone or ring back tone, and then disconnect CO line.

  **Step 3.** Repeat **Step 1** and **Step 2** till all the desired numbers are dialed and saved **(5 different numbers maximum)**.

  **Step 4.** Pressing DSS Key as **[FUNC=85]** starting to do Auto-Redial.

  **Step 5.** The system will start to re-cycle the stored numbers for auto-redialing till the function is disabled by pressing [SPK] button whilst hearing busy tone or ring back tone or the numbers are redialing.


- **Delete the stored number automatically (only Key Phone can do, and    must under handsfree dialing)**

  **Step 1.** If the called number is answered, lifting up the handset from key station.

  **Step 2.** After key station hangs up the handset, the number of in **Step 1** will be canceled from the memory automatically, and other stored numbers will be remained.


- **Delete the stored number manually (only LCD Key Phone can do, and must under handsfree dialing)**

  **Step 1.** On hook, pressing DSS Key as **[FUNC=87]** will see the    following display:


  **1. AUTO. CLEAR ALL :**

  Will clear all the telephone numbers in the memory for Auto    Redial.

  ```
  1.  AUTO. CLEAR ALL
  2.  DISPLAY TEL
  ```

  **2: DISPLAY TEL.     :**

  Will see the following 2nd display:

  ```
  3.NEXT    4.CANCEL
  ((SAVED NUMBERS))
  ```

  You can cancel the telephone number one by one.

**NOTE 24:**

**OPERATION EXAMPLE:**

**Step 1.**   No matter which the dealer makes outgoing call to the user or the user makes incoming to the dealer.

**Step 2.**   During external conversation, the user presses DSS key as **[FUNC=89]** to allow the dealer to enter to the user's system remotely and the user will see the following display from the user's   own display key phone:

```
SYSTEM    FUNCTION

ENTER    PASSWORD
```

Meanwhile, the user can tell the dealer the display message as above and then hangs up the handset.

**Step 3.**   The Dealer presses [SPK] button and hangs up the handset to start to key-in the Programming Password to enter the user's system programming which is the same method as from the dealer's own LCD key phone locally. All the operation codes during the programming should be replaced by the following codes:

[#] = SAVE

[∗]+[∗] = EXIT

[∗]+[0]   = FUNC

[∗]+[1]   = UP (forward to the next zone)

[∗]+[2]   = DOWN (backward to the previous zone)

[∗]+[3]   = LEFT (shift the cursor to the left position)

[∗]+[4]   = RIGHT (shift the cursor to the right position)

[∗]+[5]   = CHANGE (change the function condition of DSS key in   zone 500 and 501)

[∗]+[6]   = CLEAR ALL (clear all the digits to be 0 in the current zone area)

[∗]+[7]   = CLEAR DIGIT

[∗]+[8]   = DON'T CARE

[∗]+[9]   = PAUSE

**Step 4.**   Once the dealer pressing [∗] + [∗] to quit from the programming, the user's phone will start to ring immediately till it is answered and hung-up.

**NOTE 25:** During the external conversation, the internal user can press DSS key as **[FUNC=90]** to start to enter the Account

---

## 502 Station Function - Port Parameter

```
Aristel —

 502   Ext.  No     P
SSSS
XX0000

                AV
```

<--**Program Status Area**

<--**P = 01~07 = Item**

**SSSS = Station Number**

**CSN = Port Number** NOTE 26

**NOTE 26:**

| | | |
|---|---|---|
| **AV-8/NAV-8** ---> | C | = No Entry |
| | S | = 1 |
| | N | = 1 ~ 8 |
| **AV-12** ---> | C | = No Entry |
| | S | = 1 (the 1st station card) |
| | | = 2 (the 2nd station card) |
| | N | = 1 ~ 8 = ports 1 ~ 8 |
| **AV-38** ---> | C | = No Entry |
| | S | = 1 (the 1st station card) |
| | | = 2 (the 2nd station card) |
| | | = 3   (the 3ns station card) |
| | | = 4   (if installed with SLC ) |
| | N | = 1 ~ 8 = ports 1 ~ 8 |
| **AV-64** ---> | C | = 1 = only one cabinet |
| | S | = 1 ~ 9 = slots 1 ~ 9 |
| | N | = 1 ~ 8 = ports 1 ~ 8 |

**Very important:**
S = 10 can not be entered. You can enter the last existing port number and then press [SAVE] from key phone to enter the 1st port of the 10th slot.

| | | |
|---|---|---|
| **AV-256** ---> | C | = 1 ~ 4 = cabinets 1 ~ 4 |
| | S | = 1 ~ 8 = slots 1 ~ 8 |
| | N | = 1 ~ 8 = ports 1 ~ 8 |

**Description: (P = 1 ~ 7)**

**P = 1 = Station Number** ---> "**Station No**"

SSSS = 2 ~ 4 digits **(Can be used at the mix-up)**NOTE 27

If the Voice channel Number setting is in AV-64/AV-256 only the first four (4) ports are needed to assign the number. This means that CSN=CS5 ~ CS8 will always be "0000".

**NOTE 27:**

1. If **PROGRAM ZONE 205 = 4**, then 2 digits **[nn]** and 3 digits **[mmm]** station number must be assigned as **[00nn]** and **[0mmm]**, can not be assigned as **[nn00]** and **[mmm0]**.

2. Even though the assigned station number is **[00nn]** and **[0mmm]**, the caller still can dial **[nn]** and **[mmm]** to call the desired station. But the display will show the station number as **[00nn]** and **[0mmm]**.

**Interrelation Zones: Program Zones 205 and 227**

**P = 2 = Equipment Type (0 ~ 8) −−−> "Equipment"**

0 = No Equipment connected to this port

1 = Key Telephone without LCD and Handsfree

2 = Key Telephone with LCD and Handsfree

3 = Single Line Telephone

4 = Voice Service Channel

5 = DSS64 phone (only for UF-80/256)

6 = OHCA

7 = Voice Mail NOTE 28 (Unavailable for AV-8, NAV-8 and AV-16H)

8 = ISDN NOTE 29 (Only available for AV-64 and AV-256)

**Station Name Setting   (Console Only)**

Pressing [DSS5] can change the setting of [Station Number] to be [Station Name]. During the setting of [Station Name], the following numerical key on Key Phone can be dialed as an English letter. Once the letter is entered to press [DSS3] can go back to the previous position or [DSS4] can go forward to the next position to set another letter.

**A** = [2]            **B** = [2][2]        **C** = [2][2][2]      **D** = [3]

**E** = [3][3]        **F** = [3][3][3]    **G** = [4]            **H** = [4][4]

**I** = [4][4][4][4]  **J** = [5]          **K** = [5][5]        **L** = [5][5][5]

**M** = [6]            **N** = [6][6]        **O** = [6][6][6]      **P** = [7]

**Q** = [1] or [7][7]  **R** = [7][7][7]    **S** = [7][7][7]7[7]  **T** = [8]

**U** = [8][8]        **V** = [8][8][8]    **W** = [9]            **X** = [9][9]

**Y** = [9][9][9]

**Z** = [1][1] or [9][9][9][9]        Abbreviating dot   " • " = [0]

NOTE 28:     Only available for SLT Station Port. The system will send the following In-Band DTMF Codes as soon as the assigned SLT answers the call under different conditions:

**Extension calls Voice Mail**
====➔ [#] + [Extension Number]

**Call Forward All to Voice Mail**
====➔ [∗∗] + [1] + [Ext. No. of ext. A]

**Call Forward Busy (or Busy TRF Back) to Voice Mail**
====➔ [∗∗] + [2] + [Ext. No. of ext. A]

**Call Forward No Answer (or No Answer TRF Back) to Voice Mail**
====➔ [∗∗] + [3] + [Ext. No. of ext. A]

**Call Transfer to Voice Mail**
====➔ [∗∗] + [3] + [Ext. No. of ext. A]

---

NOTE 29:     If the Port is connected t the ISDN interface, ISDN incoming calls to an internal station the system will send a special code **[A1]** to the assigned ISDN port as soon as the called station answers the call.

---

**Interrelation Zones: None**

---

**P = 3 = Key group for DSS Phone = 1 ~ 8 - - - >** "**DSS Key GP**"

To assign a specific group for Flexible DSS Keys on each DSS64

---

phone, refer to **PROGRAM ZONE 500**.

**Interrelation Zones: Program Zones 500**

**P = 4 ~ 6 = Reserved for future use.**

**P = 7 = Restriction by Intercom Called.**

0 = Can be called by dialing extension number.

1 = Cannot be called by intercom but can still be transferred manually, or automatically when the call is put on hold.

2 = Cannot use Do Not Disturb function.

3 = Combine 1 + 2.

**Interrelation Zones: None**

---

# 503 Station Function - Grouping

**Aristel** ---

```
503    Station GP    P
ST     1  1  0  0  0  0  0
```

<-- **Program Status Area**

<-- **P = 01~08 = Item**

    **ST = Station Number**

**AV**

**Description: (P = 1 ~ 8)**

---

**P = 1 = Station Group = 1 ~ 8 ---> "Station GP"**

Station Group is assigned for the following features:

- Zone Paging Group
- Called Pick Up Group
- Intercom Single Digit Group

```
Interrelation Zones: Program Zones 209 and 401
```

**P = 2 = The 1st page of DSS Key group for key Phone**

   **= 1 ~ 8 ---> "KP Key GP"**

To assign a specific group for the first page of Flexible DSS Keys on each Key Telephone, refer to **PROGRAM ZONE 500 and 503-ST-8**.

```
Interrelation Zones:     Program Zones 500 and
```

**P = 3 = Dial 9 Group - 0 ~ 8 ---> "Dial 9 GP"**

The user dials [9] or [0] to get a free line from the assigned group in **PROGRAM ZONE 603**.

0 = Disable

1 = Search a free CO line in the 1st CO group

2 = Search a free CO line in the 2nd CO Group

............

8 = Search a free CO line in the 8th CO group

```
Interrelation Zones: Program Zones 202 and 603
```

**P = 4 = Incoming CO Group = 0 ~ 8 ---> "Incoming G"**

Allows the user to answer or pick up the incoming CO line according to **PROGRAM ZONE 608**.

```
Interrelation Zones: Program Zones 608
```

**P = 5 = Toll Plan for Day = 0 ~ 9 ---> "Toll Day"**

Sets the Toll Plan **(00 ~ 09)** for Station on Day service. Refer to **PROGRAM ZONE 405.**

```
Interrelation Zones: Program Zones 405
```

**P = 6 = Toll Plan for Night = 0 ~ 9 ---> "Toll Night"**

Sets the Toll Plan (**00 ~ 09**) for Station on Night Service. Refer to **PROGRAM ZONE 405**.

```
Interrelation Zones: Program Zones 405
```

**P = 7 = Reserved for future use.**

**P = 8 = The 2nd page of DSS Key group for Key Phone**

   **= "DSS Key GP"**

To assign a specific group for the second page of Flexible DSS Keys on each Key Phone. Refer to **PROGRAM ZONE 500 and 503-ST-2**.

> **Interrelation Zones:**    **Program Zones 135, 500 and**

---

## 504 Station Function - Station Level

```
Aristel ---
    ┌─────────────────────┐
    │ 504    Override    P │
    │ 00105 0 0 0  ST:    │
    └─────────────────────┘
                      AV
```
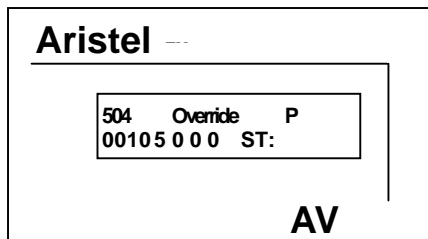
←**Program Status Area**

  **<--P = 01~08 = Item**

   **ST = Station Number**

**Description: (P = 1 ~ 8)**

**P = 1 = Override Level =   0 ~ 9 ---> "Override"**

Allows the internal station to join in the conversation of another busy station by pressing [0] when busy tone is heard. A higher level can override the same or lower levels. Ten levels (0 ~ 9) are available (0 = the lowest level, 9 = the highest level).

9 = Can override levels 0 ~ 9

8 = Can override levels 0 ~ 8

..........

0 = Cannot override.

> **Interrelation Zones: System Administrator's Manual**

**P = 2 = Monitor Level = 0 ~ 9 ---> "Monitor"**

**Allows the internal station to secretly monitor the conversation of other busy stations by pressing [#] when busy tone is heard. Higher levels can monitor lower levels. Same levels cannot monitor each other. Ten levels are available (0 ~ 9). (0 = the lowest level - 9 = the highest level).**

9 = Can monitor levels 0 ~ 8

8 = Can monitor levels 0 ~ 7

..........

0 = Cannot monitor.

> **Interrelation Zones:**    **Program Zone 506-ST-07 and**
>                      **System Administrator's Manual**

**P = 3 = Message Waiting Level = 0 ~ 9 ---> "DSS Key GP"**

Allows the internal station to pass the message signal to other busy or no answer stations by pressing [MSG] DSS function key when busy tone or ring back tone is heard. High levels can leave messages

to the same or lower level. Ten levels (0 ~ 9) are available. (0 = the lowest level - 9 = the highest level).

9 = Can pass Message Waiting to levels 0 ~ 9

8 = Can pass Message Waiting to levels 0 ~ 8

**............**

0 = Cannot pass Message waiting.

```
Interrelation Zones:   Program Zone 212 and System
```

**P = 4 = Station Loud bell = 0 ~ 1 - - - > "DSS Key GP"**

- If the function is set for Loud Bell it allows the user to install an external Loud Bell interface if the working environment is very noisy. The Loud Bell will ring for all calls to the assigned station.
- If the function is set for Secret Recording, the system will open the function relay which is connected to the Tape recorder as soon as the assigned station handset (SLT or key phone) or Speaker On (for key phone only) is lifted, according to **PROGRAM ZONE 504-ST-6** and the Relay is set in **PROGRAM ZONE 302**.

0 = No Action

**AV-8/AV-12**                  **NAV-8/38**

1 = Station Loud Bell for Relay 1 1 = Station Loud Bell for Relay 1

2 = Secret Recording for Relay 12 = Station Loud Bell for Relay 2

3 = Station Loud Bell for Relay 1

4 = Secret Recording for Relay 2

**AV-64/256**

1 = Station Loud Bell for Relay 1 2 = Station Loud Bell for Relay 2

3 = Station Loud Bell for Relay 3 4 = Station Loud Bell for Relay 4

5 = Secret Recording for Relay 16 = Secret Recording for Relay 2

7 = Secret Recording for Relay 38 = Secret Recording for Relay 4

```
Interrelation Zones: Program Zone 302 and 504-ST-06
```

**P = 5 = Station Ringing Frequency = 1 ~ 9 - - - > "Ring Fre."**

1 = 1st Ringing Frequency      2 = 2nd Ringing Frequency

3 = 3rd Ringing Frequency      4 = 4th Ringing Frequency

............

9 = 9th Ringing Frequency

```
Interrelation Zones: System Administrator's Manual
```

**P = 6 = Auto Secret Recording Function - - - > "Security O"**

If the function is enabled the system will open the function relay connected to the Tape Recorder as soon as the assigned station

handset (SLT or key phone) is lifted or Speaker On (for key phone only) when the assigned station is enabled in **PROGRAM ZONE 504-ST-4** and the Relay is set for Secret Recording in **PROGRAM ZONE 302**.

0 = Disable Auto Secret Recording function
1 = Enable Auto Secret Recording function

> **Interrelation Zones: Program Zone 302 and 504-ST-4**

**P = 7 = Reserved for future use.**

**P = 8 = System Wide CFW Function**

0 = Disable          1 = Enable

> **Interrelation Zones: Program Zone 242**

# 505       Station Function - General Function 1

**Aristel**

```
505 Paging              P
1 1 1 0 1 1 0 0   ST:
```

**AV** *SERIES*

<--**Program Status Area**
<--**P = 01~08 = Item**
**ST = Station Number**
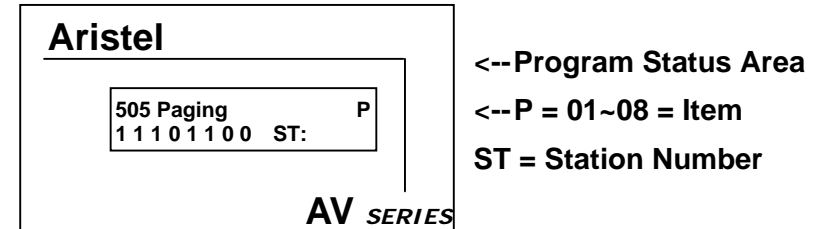
**Description: (P = 1 ~ 8)**

**P = 1 = Paging Function = 0 ~ 1 –––> "Paging"**

0 = Disable          1 = Enable

> **Interrelation Zones: Program Zone 503-ST-1**

**P = 2 = Be Paged Function = 0 ~ 1 –––> "Be Paged"**

0 = Disable          1 = Enable

> **Interrelation Zones: Program Zone 302 and 503-ST-1**

**P = 3 = Hold Function = 1 ~ 1 –––> "Hold Func"**

0 = Disable          1 = Enable

---

**Interrelation Zones: None**

### P = 4 = Manual Line = 0 ~ 1 ---> "Manual"

If the function is set, lifting the handset or pressing [SPK] will automatically call the consoles which the console group number is the same as the station group number of the calling station without dialing any digits.

0 = Disable          1 = Enable

**Interrelation Zones: Program Zone 400 and 503-ST-1**

### P = 5 = Call Split Function = 0 ~ 1 ---> "Call Split"

This function enables a station to talk to two parties simultaneously.

**(the function is worked for Single Line Telephone only)**

0 = Disable          1 = Enable

**Interrelation Zones: System Administrator's Manual**

### P = 6 = System Alarm Function = 0 ~ 1 ---> "SYS. Alarm"

Allows the assigned station to receive the alarm signal as soon as the system alarm time is reached.

0 = Disable          1 = Enable

**Interrelation Zones: Program Zone 305 and 505-ST-7**

### P = 7 = System/User Alarm Signal = 0 ~ 1 ---> "Alarm Sig."

0 = Background Music          1 = Do Not Disturb Tone

**Interrelation Zones:    Program Zone 305, 505-ST-6 and**

### P = 8 = Security Function = 0 ~ 1 ---> "Security"

0 = Unlocked **(Can make outgoing calls)**

1 = Locked by Security Code **(Cannot make outgoing calls)**

**Interrelation Zones: System Administrator's Manual**

---

# 506    Station Function - General Function 2

```
Aristel

506  System  PSW  P
1  0  1  0  0  0  0  0

                AV
```
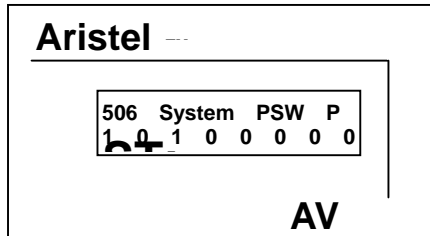
<--Program Status Area

<--P = 01~08 = Item

   ST = Station Number

**Description: (P = 1 ~ 8)**

**P = 1 = System Engineering Password Capability = 0 ~ 1 --->**
**"System PSW"**

Determines whether the station can enter the system programming by using the engineering password.

0 = Cannot          1 = Can

```
Interrelation Zones: Program Zone 235 and 301-01
```

**P = 2 = Disable Intercom Dialing = 0 ~ 1 ---> "ICM Dial D"**
**If function enabled the station cannot make an intercom call by**
**dialing a station number. It can however still make an intercom**
**call by pressing a Flexible DSS Station key or using the Single**
**Digit Dialing function.**

**0 = Disabled    = Station can make an intercom call by dialing the**
                    **station number.**

1 = Enabled = Station cannot make an intercom call by dialing the station number.

```
Interrelation Zones: None
```

**P = 3 = Key Tone = 0 ~ 1 "Key Tone"**

0 = Key Phone without Key Tone can be heard during dialing.

1 = Key Phone with Key Tone can be heard during dialing.

```
Interrelation Zones: None
```

**P = 4 = Volume Up Function = 0 ~ 1 ---> "Volume Up"**

If function is enabled the assigned key station ringing volume will be gradually increased when called.

0 = Disable          1 = Enable

```
Interrelation Zones: None
```

**P = 5 = Intercom Busy Reminder Tone Capability**

    **= 0 ~ 1 - - -> "ICM Tone"**

**If function is enabled the assigned station will hear a Busy Reminder Tone during intercom call or transferred when it is engaged.**

0 = Disable        1 = Enable

---

**Interrelation Zones: Program Zone 122 and 229**

---

**P = 6 = Incoming Ringing Auto Answer**

    **= 0 ~ 1 - - -> "CO Answer"**

If function is enabled the assigned station can pick up incoming calls on another station by lifting the handset, even if not allowed to answer in **PROGRAM ZONE 600** or **601**.

0 = Disable        1 = Enable

---

**Interrelation Zones: Program Zone 600 and 601**

---

**P = 7 = Environment Monitoring Function**

    **= 0 ~ 1 - - -> "Monitor St"**

If function is enabled the assigned station can listen to the surrounding area of the lower level handsfree key station. The Level setting is the same as **Zone 504-ST-02**. Refer to System Administrator's Manual for operation method.

0 = Disable        1 = Enable

---

**Interrelation Zones:    Program Zone 504-ST-2 and**

---

**P = 8 = Auto Answer Paging = 0 ~ 1 - - -> "Page Ans."**

If the function is enabled, the assigned station can answer Paging automatically by lifting the handset **(for both Single Line Telephone and Key Telephone)** or pressing [SPK] **(only for Key Telephone)**.

0 = Disable        1 = Enable

---

**Interrelation Zones: Program Zone 502-ST-2**

---

## 507　　Station Function - General Function 3

**Aristel** ⎯

```
507  Port  No        P
CSN       LD       FC
AV
```

&lt;--**Program Status Area**

&lt;--**P = 01~03 = Item**

　　**ST = Station Number**

**Description: (P = 1 ~ 3)**

**P = 1 = Port Number = CSN ---> "Port No"**

● CSN here is the same as in **PROGRAM ZONE 502-CSN-IP**.

● For checking only. The user cannot change the parameter.

| Interrelation Zones: None |
| --- |

**P = 2 = Call Limit Time Duration = LD**

　　**= 00 ~ 99 minutes ---> "Call Limit"**

When the assigned time is reached this function inhibits the external call duration according to the limitation pattern in **PROGRAM ZONE 224**

| Interrelation Zones: Program Zone 224 |
| --- |

**P = 3 = Forced Account Code = FC** NOTE 30 **---> "FAC Code"**

Allows the user to be temporarily unrestricted during outgoing dialing by using Forced Account Number code which is the same as the assigned code in **PROGRAM ZONE 403**.

If the setting is **00**, all Forced Account Numbers are allowed.

| NOTE 30: | AV-8/NAV-8 | ---> FC = 00 ~ 26 |
| --- | --- | --- |
| | AV-12/38 | ---> FC = 00 ~ 26 |
| | AV-64 | ---> FC = 00 ~ 64 |
| | AV-256 | ---> FC = 00 ~ 99 |

| Interrelation Zones: Program Zone 403 |
| --- |

**P = 4 ~ 8 = Reserved For Future Use.**

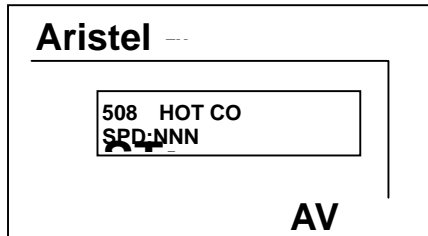## 508　　Station Function - Hot Line

**Aristel** ⎯

```
508  HOT  CO
SSSS
AV
```

&lt;--**Program Status Area**

&lt;--**ST = Station Number**

　　**= 2 ~ 4 digits**

```
Aristel ---
    508   HOT CO
    SPD:NNN
                        AV
```

**<--Program Status Area**

**<--ST = Station Number**

**= 2 ~ 4 digits**

**Description:**

- Allows the user to dial a specific external number through System Speed Dial, or an internal station by lifting the handset.

- Press **[DSS5]** to change the mode to be SPD or Station Number.
- Press **[SPK]** for normal dialing.
- Enter a SPD code **(100~354 only)** for outgoing call or a Station number for Intercom call.

**EXAMPLE:**

```
508   HOT  CO
SPD:101   ST:11
```

**11     = Station No.**

SPD:101= Speed Dial Code 101 (for example: **00886285123000**)

When station 11 handset is lifted the system will automatically access a free CO line according to SPD Code 101 and dial the number **"00886285123000"**

---

**Interrelation Zones: Program Zone 404**

```
508    HOT  CO
18        ST:11
```

11 = Station No.

18 = The called station number

Lifting the handset from Station 11 will intercom call Station 18 automatically without dialing any digits.

---

## 509          Station Function - Individual SPD Block

```
Aristel ---
    509   Indivi  SPD    P
                        AV
```
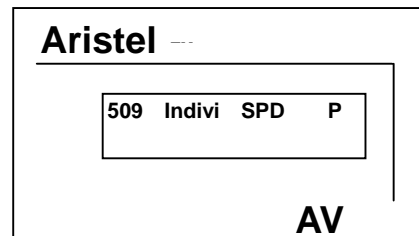
**<--Program Status Area**

**<--ST = Station Number**

**= 2 ~ 4 digits**

**AA = Block 1**

**= For Individual SPD Codes 00~09**

**BB = Block 2**

**= For Individual SPD Codes DSS1~10**

**Description:**

Divides the sets of Individual Speed Dial Codes into a different system memory block. Two (2) kinds of block can be set; one for code **"00 ~ 09"** and the other for **"DSS1 ~ DSS10"**. The setting

---

value for each block must be according to the total sets of Individual Speed Dial Codes in **PROGRAM ZONE 225** NOTE 31. Each block includes 10 sets of Individual Speed Dial Codes.

**NOTE 31:**

### ZONE 227 = 0

| Setting Value in Zone 225 | AV-8/NAV-8/ AV-12/AV-38 | | AV-64/AV-256 | |
|---|---|---|---|---|
| | AA | BB | AA | BB |
| 0 | 00 ~ 60 | 00 ~ 60 | 00 ~ 98 | 00 ~ 98 |
| 1 | 00 ~ 50 | 00 ~ 50 | 00 ~ 98 | 00 ~ 98 |
| 2 | 00 ~ 40 | 00 ~ 40 | 00 ~ 90 | 00 ~ 90 |
| 3 | 00 ~ 30 | 00 ~ 30 | 00 ~ 80 | 00 ~ 80 |
| 4 | 00 ~ 20 | 00 ~ 20 | 00 ~ 70 | 00 ~ 70 |
| 5 | 00 ~ 10 | 00 ~ 10 | 00 ~ 60 | 00 ~ 60 |
| 6 | 00 ~ 10 | 00 ~ 10 | 00 ~ 50 | 00 ~ 50 |
| 7 | 00 ~ 10 | 00 ~ 10 | 00 ~ 40 | 00 ~ 40 |
| 8 ~ 9 | 00 ~ 10 | 00 ~ 10 | 00 ~ 30 | 00 ~ 30 |

### ZONE 227 = 1

| Setting Value in Zone 225 | AV-8/NAV-8/ AV-12/AV-38 | | AV-64/AV-256 | |
|---|---|---|---|---|
| | AA | BB | AA | BB |
| 0 | 00 ~ 25 | 00 ~ 25 | 00 ~ 50 | 00 ~ 50 |
| 1 | 00 ~ 15 | 00 ~ 15 | 00 ~ 40 | 00 ~ 40 |
| 2 | 00 ~ 05 | 00 ~ 05 | 00 ~ 30 | 00 ~ 30 |
| 3 | 00 ~ 05 | 00 ~ 05 | 00 ~ 20 | 00 ~ 20 |
| 4 ~ 9 | 00 ~ 05 | 00 ~ 05 | 00 ~ 10 | 00 ~ 10 |

- Each Station can use up to two blocks (20 sets of Individual Speed Dial Codes.)
- Each Station in the same block will share the same Speed Dial Code.

**EXAMPLE:**

```
509  Indivi.  SPD
01   02      ST:11
```

**11** = Station No.

[01, 02] = Station 11 can use block **01** and **02** for Individual SPD (20 sets; 10 sets for "00 ~ 99", another 10 sets for "DSS1 ~ DSS10")

```
509  Indivi.  SPD
04   00      ST:12
```

**12** = Station No.

[04, 00] = Station 12 can use block **04** for Individual SPD ( only 10 sets for "00 ~ 99", **00 = for no block**)

```
509  Indivi.  SPD
04   02      ST:13
```

**13** = Station No.

[04, 02] = Station 13 can use block **04** and **02** for Individual SPD (20 sets; 10 sets for "00 ~ 99" **are shared with Station 12,** another 10 sets for "DSS1 ~ DSS10" **are shared with Station 11**)
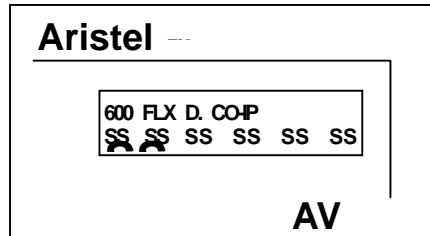
**Interrelation Zones: Program Zone 225 and 227**

## 510 ~ 599 Reserved For Future Use

## ■ CO Function (Zone 600 ~ 699)

---

### 600    Incoming Ringing Assignment
### - Day Time

```
Aristel ---

600 FLX D. CO-IP
SS SS SS SS SS SS
```
AV

<--Program Status Area

<--CO = CO Number[NOTE 32]

IP=Cursor Position=01~16

SS=Station Number

=2~4 digits

Def.=[11 12 13 14 15 16 17 18]

**Description:**

Assigns incoming ringing stations on Day time. The assigned stations can answer incoming calls directly by lifting the handset during ringing. There are four (4) different ringing methods; (**LINEAR**, **CIRCULAR**, **HUNT** and **COMMON AUDIBLE**)[NOTE 32]

● If the Voice Channel is used for DISA line in AV-64/256, it is necessary to assign the Voice Channel Number here to be the incoming ringing station. For AV-16H/AV-24/AV-38 the Voice Channel Number is assigned in **PROGRAM ZONE 609**.

---

**NOTE 32:**
1.  **AV-8/NAV-8** ---> CO = 01 ~ 03
    **AV-12**      ---> CO = 01 ~ 04
    **AV-38**      ---> CO = 01 ~ 12
    **AV-64**      ---> CO = 01 ~ 20
    **AV-256**     ---> CO = 01 ~ 40

2.  The different ringing methods:
    **COMMON AUDIO RING:**
    All assigned stations will ring at the same time.
    **LINEAR RING:**
    The incoming line will always ring to the 1st assigned station and will then ring to the next free station immediately and automatically after ringing to the busy station.

    **CIRCULAR RING:**
    The first incoming line will ring to the 1st assigned station, the second incoming line will ring to the 2nd assigned station. The incoming line will automatically ring to the next free station immediately.

    **HUNT RING:**
    An incoming line will always ring to the 1st assigned station. If the station is busy it will then automatically ring to the next free station immediately. If that station does not answer it will then ring to the next free station as soon as the Incoming Hunt Ringing Time in **PROGRAM ZONE 123** is reached.

---

## 601 Incoming Ringing Assignment - Night Time
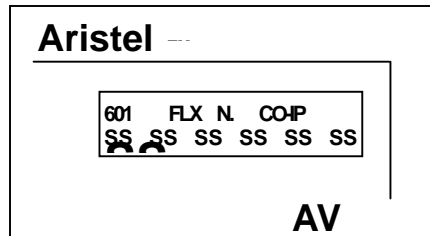
**Aristel** ---

```
601   FLX N. CO-IP
SS SS SS SS SS SS
```

**AV**

<--**Program Status Area**

<--**CO = CO Number**$_{NOTE\ 32}$

   **IP=Cursor Position=01~16**

   **SS=Station Number**

      **=2~4 digits**

   **Def.=[11 12 13 14 15 16 17 18]**

**Description:**

The same function as **PROGRAM ZONE 600** but for Night Time Service.

- **601-CO-09 (~16), only available in AV-8/NAV-8**

   If Midday Time is enabled, the incoming CO lines must ring to the stations here even though such CO lines are not set as DISA line when A3VSCA is existed.

Interrelation Zones: None

---

**Interrelation Zones:** Program Zones 123, 306, 308, 402, 502-CSN-1, 506-ST-6, 604-CO-7 and 609

---

## 602 Door Ring Assignment

**Aristel** ---

```
602   Door   GP-IP
```

**AV**
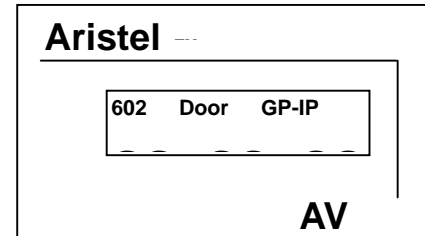
<--**Program Status Area**

<--**GP = Door Phone Number**$_{NOTE\ 33}$

   **IP=Cursor Position=01~08**

   **SS=Station Number**

      **=2~4 digits**

   **Def.=[11 12 13 14 15 16 17 18]**

**Description:**

**The stations assigned here will ring for 30 seconds when the Door Phone call is activated.**

| NOTE 33: | AV-8/AV-12 | --->GP = 01 |
|---|---|---|
| | NAV-8 | --->GP = 01 ~ 02 |
| | AV-38 | --->GP = 01 ~ 02 |
| | AV-64/AV-256 | --->GP = 01 ~ 02 |

**Interrelation Zones:** Program Zones 124, 131, 244, 249, 302 and 303

---

## 603    CO Group Assignment

```
Aristel  ̶
 ┌─────────────────────┐
 │ 603   CO   GRP   GP-IP │
 │ SS SS SS SS SS SS │
 └─────────────────────┘
              AV
```
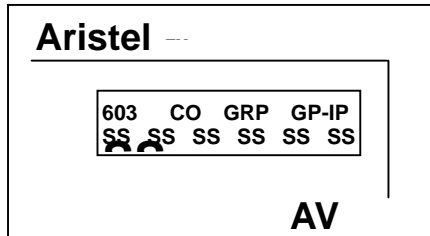
<--**Program Status Area**

<--**GP = CO Group**

   **Number (01~08)**

**IP=Cursor Position**

**SS=CO Number**<sub>Refer to NOTE</sub>

**32, Point 1.**

**Def.=[01 ~ 40]**

**Description:**

The assigned CO lines can be accessed by the station which **PROGRAM ZONE 503-ST-3** is the same as the group number here by pressing [9] or [0], or pressing DSS CO line key or by using Speed Dial.

● **603-05-IP**

Station presses **[ ∗ 5 ]** will access a free CO line here automatically. It will not be effected by the DIAL [9] (or [0]) group in **PROGRAM ZONE 503-ST-3**.

● **603-06-IP**

Station presses **[ ∗ 6 ]** will access a free CO line here automatically. It will not be effected by the DIAL [9] (or [0]) group in **PROGRAM ZONE 503-ST-3**.

● **603-07-IP**

Station presses **[ ∗ 7 ]** will access a free CO line here automatically. It will not be effected by the DIAL [9] (or [0]) group
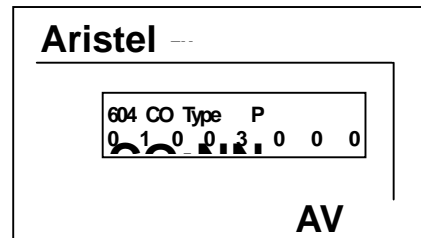
in **PROGRAM ZONE 503-ST-3**.

● **603-08-IP**

Station presses **[ ∗ 8 ]** will access a free CO line here automatically. It will not be effected by the DIAL [9] (or [0]) group in **PROGRAM ZONE 503-ST-3**.

┌─────────────────────────────────────┐
│ **Interrelation Zones:    Program Zones 202, 215,** │
└─────────────────────────────────────┘

## 604    CO Function Assignment

```
Aristel  ̶
 ┌─────────────────────┐
 │ 604 CO Type    P │
 │ 0 1 0 0 3 0 0 0 │
 └─────────────────────┘
              AV
```

<--**Program Status Area**

<--**P=Cursor Position=1~8**

   **CO=CO Number**<sub>Refer to NOTE</sub>

   **32, Point 1.**

**Def.=[ 01003000 ]**

**Description:**

**P = 1 = CO Type = 0 ~ 1** ---> **"CO Type"**

0 = Centrex line

1 = Installed behind PABX

3 = ISDN Line, the **"3"** is given by the system automatically once the system detects ISDN card is existed, and the detection of CLI and DID from ISDN line will be automatic detection, too.<sub>Refer to A2DTKA</sub>

**Installation Manual**

5 = Caller ID (CLI)<sub>Refer to UF-CND Operation Manual</sub>

| Interrelation Zones: | Program Zones 200 and 202 |
|---|---|

**P = 3 = DISA/ECF Capability = 0 ~ 8 ---> "DISA"**<sub>NOTE 34</sub>

**P = 2 = Outgoing Dialing Signal = 0 ~ 1 ---> "Pulse/Tone"**

0 = Day Disable        Night Disable

1 = Day Disable        Night "DISA" Enable

2 = Day "DISA" Enable    Night Disable

0 = Pulse signal and DISA Enable Time is according to **PROGRAM ZONE 118**.

3 = Day "DISA" Enable    Night "DISA" Enable

1 = Tone signal and DISA Enable Time is according to **PROGRAM ZONE 118**.

4 = Day Disable        Night "ECF" Enable

5 = Day "ECF" Enable     Night Disable

2 = Pulse signal and DISA Enable Time is according to **PROGRAM ZONE 140**.

6 = Day "ECF" Enable     Night "ECF" Enable

7 = Day "DISA" Enable    Night "ECF" Enable

3 = Tone signal and DISA Enable Time is according to **PROGRAM ZONE 140**.

8 = Day "ECF" Enable     Night "DISA" Enable

4 = Pulse signal and DISA Enable Time is according to **PROGRAM ZONE 141**.

5 = Tone signal and DISA Enable Time is according to **PROGRAM ZONE 141**.

| Interrelation Zones: | Program Zones 116, 117, 118, 119, 218, 219, 301-03, 306, 402 |
|---|---|

6 = Pulse signal and DISA Enable Time is according to **PROGRAM ZONE 142**.

**P = 4 = ECF Capability (Night Transfer) = 0 ~ 9 ---> "ECF"**

7 = Tone signal and DISA Enable Time is according to **PROGRAM ZONE 142**.

0 = Disable ECF Capability

1 = ECF by Speed Dial Code 101

2 = ECF by Speed Dial Code 102

| Interrelation Zones: Program Zones 101, 118, 140, |
|---|

……….

9 = ECF by Speed Dial Code 109

**Interrelation Zones:  Program Zones 404 and 604-CO-3**

**P = 5 = Pick Up Capability = 0 ~ 3 ---> "Pick Up"**

| | |
|---|---|
| 0 = Day Disable | Night Disable |
| 1 = Day Disable | Night Enable |
| 2 = Day Enable | Night Disable |
| 3 = Day Enable | Night Enable |

**Interrelation Zones:      Program Zones 600 and 601**

**P = 6 = CO Loud Bell = 0 ~ 9**$_{NOTE 35}$  **---> "Loud Bell"**

**If the operational environment is very noisy an external Loud Bell can be installed to the Relay interface. Incoming calls to the system through the assigned CO line will be heard from the Loud Bell.**

0 = Disable
1 = Enable the 1$^{st}$ Relay
2 = Enable the 2$^{nd}$ Relay
……..
9 = Enable the 9$^{th}$ Relay

**Interrelation Zones:     Program Zones 302, 600**

**P = 7 = Incoming Ringing Method for Day**

   **= 0 ~ 4 ---> "Ring MTD-D"**$_{Refer to NOTE 32, Point 2.}$

0 = Common Audio on the stations assigned in **PROGRAM ZONE 600 (601)**.

1 = Linear Ringing on the stations assigned in **PROGRAM ZONE 600 (601)**.

2 = Circular Ringing on the stations assigned in **PROGRAM ZONE 600 (601)**, and also for the stations assigned in **PROGRAM ZONE 607-GP-IP**.

3 = Hunt Ringing on the stations assigned in **PROGRAM ZONE 600 (601)**.

**4 = Hunt Ring on the stations assigned in** PROGRAM ZONE 600 (601)**, if the called station is busy the Busy Reminding Tone will be heard by the called station and the cycle of Busy Reminding Tone is according to the** PROGRAM ZONE 122**, and the call will be transferred to the next free station as soon as the Hunt Ring Time in** PROGRAM ZONE 123 **is reached. If the called station is free then keep the same operation function as** PROGRAM ZONE 604-CO-7 =

3**.**

(The function is only available in AV-38 and AV-256)

**Interrelation Zones:   Program  Zones  122,  123,  600**

**P = 8 = Incoming Ringing Method for Night**

   **= 0 ~ 4 ---> "Ring MTD-N"** Refer to **NOTE 27, Point 2**.

0 = Common Audio

1 = Linear Ringing

2 = Circular Ringing

3 = Hunt Ringing

**4 = Hunt Ring, if the called station is busy the Busy Reminding Tone will be heard by the called station and the cycle of Busy Reminding Tone is according to the** PROGRAM ZONE 122**, and the call will be transferred to the next free station as soon as the Hunt Ring Time in** PROGRAM ZONE 123 **is reached. If the called station is free then keep the same operation function as** PROGRAM ZONE 604-CO-8 = 3.**

**Interrelation Zones:  Program Zones 122, 123, 600**

---

**NOTE 34:**      There are three (3) different sub-functions included in DISA **(Direct Inward Station Access)** function:

1.   **Normal DISA for calling internal station:**
     **1-1.** **Silence DISA:**
          Incoming calls to the system through DISA line which does not have Voice reminder Service will hear system dial tone after the system answers the call and can call internal stations by dialing the called station number.
     **1-2.** **Voice Service DISA:**
          line which is provided by Voice Reminder Service will hear the voice reminder service after the system answers the call and can call internal stations by dialing the called station number.

2.   **Special DISA for another outgoing call:**
     Incoming calls to the system through DISA line, regardless of which Silence or Voice Reminder Service, can **dial [9]** (or [0]) **+ [DISA PASSWORD]** to access another free CO line. Once the CO line dial tone is heard the caller can dial the desired number for another outgoing call.

3.   **External Call Forward (ECF) function:**
     Incoming calls to the system through DISA line, regardless of which Silence or Voice Reminder Service, will automatically access another free CO line according to **PROGRAM ZONE 404** and **604-CO-4**.

●    The call duration in Points 2 and 3 will be limited by **ROGRAM ZONE 119** and callers can add another duration cycle by pressing any numerical digit whilst hearing time limit reminding tone. **Pressing [#] during the call will allow the numbers to be re-entered or press [∗] to release both CO lines.**

---

| NOTE 35: | AV-8/AV-12 | ---> CO Loud Bell = 01 |
|---|---|---|
| | NAV-8 | ---> CO Loud Bell = 01 ~ 02 |
| | AV-38 | ---> CO Loud Bell = 01 ~ 02 |
| | AV-64 | ---> CO Loud Bell = 01 ~ 04 |
| | AV-256 | ---> CO Loud Bell = 01 ~ 09 |

## 605　CO Lock

**Aristel** ---

```
605  CO  Lock      IP
0 0 0 0 0 0 0 0
```

AV
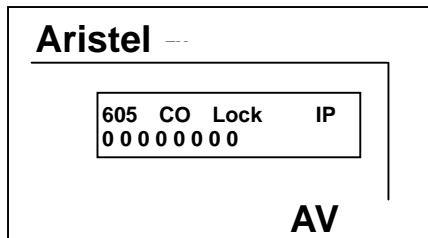
**<--Program Status Area**

**<--IP=CO Number**Refer to NOTE 32,

**Point 1.**

**S=0 ~ 3**

**Def.= [ 0 0 0 0 0 0 0 0 ]**

**Description:**

There are four (4) different conditions which can be selected for CO line Lock function.

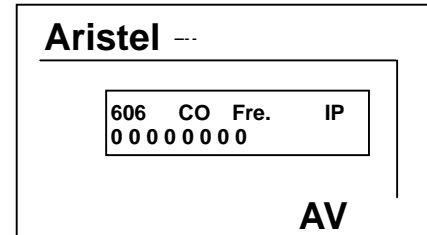S = 0 = Unlock both incoming and outgoing

S = 1 = Lock outgoing, unlock incoming.

S = 2 = Lock both outgoing and incoming and turn CO LED OFF.

S = 3 = Lock both outgoing and incoming and turn CO LED ON.

| Interrelation Zones: None |
|---|

## 606　CO Incoming Ringing Frequency Assignment

**Aristel** ---

```
606  CO  Fre.      IP
0 0 0 0 0 0 0 0
```

AV

**<-- Program Status Area**

**<-- IP=CO Number**Refer to NOTE 32,

**Point 1.**

**S=0 ~ 9**

**Def.= [ 0 0 0 0 0 0 0 0 ]**

**Description:**

Enables the user to recognize the different incoming ringing frequencies. Nine (9) different ringing frequencies can be selected for each CO line.

S = 0 = According to the Station Ringing Frequency

S = 1 = The 1st ringing frequency level;　　447.5Hz±419.5Hz

S = 2 = The 2nd ringing frequency level;　　516.4Hz±447.5Hz

S = 3 = The 3rd ringing frequency level;　　559.4Hz±479.5Hz

S = 4 = The 4th ringing frequency level;　　610.2Hz±479.5Hz
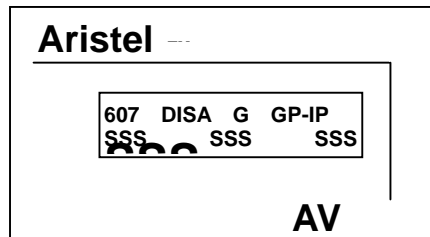
S = 5 = The 5th ringing frequency level;　　671.3Hz±479.5Hz

S = 6 = The 6th ringing frequency level;　　745.9Hz±516.4Hz

S = 7 = The 7th ringing frequency level;　　839.0Hz±610.2Hz

S = 8 = The 8th ringing frequency level;　　959.0Hz±671.3Hz

S = 9 = The 9th ringing frequency level;　　1118.8Hz±839.0Hz

Interrelation Zones: System Administrator's **Manual**

## 607 Single Digit Group For DISA Dialing

**Aristel** ---

607 DISA G GP-IP
SSS SSS SSS

**SSS**

**AV**

**<--Program Status Area**

**<--GP=Group Number**

   **=Single Digit=1~5 & 7~8**

**IP=Cursor Position=01~08**

**SSS=Station Number**

   **=2 ~4 digits**

**Def.= [ 000 000 000 000 ]**

**Description:**

A maximum of seven (7) groups (GP = 01 ~ 05, and 07 ~ 08) can be assigned.

- Group 6 cannot be used in this function.

- GP = 01 ---> Single Digit 1.

   GP = 02 ---> Single Digit 2.

………

   GP = 05 ---> Single Digit 5.

   GP = 07 ---> Single Digit 7.

   GP = 08 ---> Single Digit 8.

- The stations in the group are the called stations when the external

caller dials the representative Single Digit through DISA line. To call a specific station the caller can dial **[6]** + **[Station Number]**.

Interrelation Zones:        Program Zone 238

## 608 Incoming CO Line Group

**Aristel** ---

608 ICO GP GP-IP
SS SS SS SS SS

**AV**
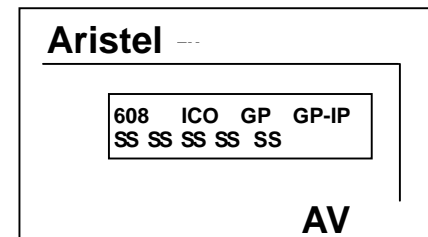
**<--Program Status Area**

**<--GP=Group Number=01~08**

   **IP=Cursor Position**

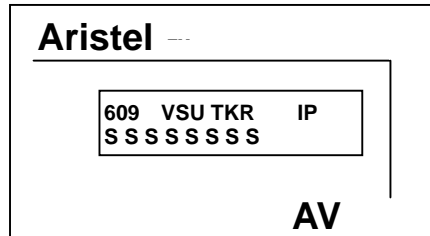   **SS=CO Number**Refer to NOTE

   **32, Point 1.**

   **Def.= [ 01 ~ 40 ]**

**Description:**

The assigned CO lines can be answered by the station which has the same Incoming CO line Group in **PROGRAM ZONE 504-ST-4**.

**(Not available in AV-8 and NAV-8.)**

Interrelation Zones: Program Zone 222 and 504-ST-4

## 609     Voice Channel For Different CO Line

**Aristel** ——

```
609   VSU TKR      IP
S S S S S S S S
```

AV

<--**Program Status Area**

<--**IP=CO Number**<sub>Refer to NOTE 32,</sub>

**Point 1.**

**S=0 ~ 2**

**Def.= [ 00000000 ]**

### Description:

Allows the user to assign the Voice Channel Number for each incoming CO line.

**(Only available in AV-38)**

0 = Incoming line can be answered by both Voice Channels **(Number 63 and 64)**.

1 = Incoming line can be answered by the 1$^{st}$ Voice Channel **(Number = 63)** only.

2 = Incoming line can be answered by the 2$^{nd}$ Voice Channel **(Number = 64)** only.

| Interrelation Zones: Program Zone 504-ST-4 |
| --- |

## 610     ISDN DID Number

**Aristel** ——

```
610 DID N0   NNN-IP
SSS
```

AV
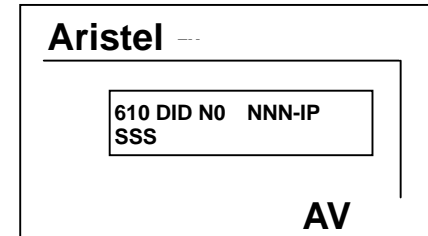
<--**Program Status Area**

<--**NNN=DID Code**

**=001~255**<sub>NOTE 36</sub>

**IP=Cursor Position**

**SSS=DID Number**

**Def.= [ 000 ]**

### Description:

ISDN allows a single line to have multiple phone numbers. So an individual phone number can be allocated to an internal station, saving the receptionist from taking all incoming calls. This is known as Direct Inward Dialing (DID). The conversion list of phone numbers to stations is known as the ISDN DID Station Lookup in **PROGRAM ZONE 611**. The last two (or three) digits in the called number are used to find an internal station number in **PROGRAM ZONE 611**. If an incoming call doesn't match any the entries in the table, then all stations ring according to **PROGRAM ZONE 600 (601)**.  Up to 255 entries can be used.

| Interrelation Zones:   Program Zone 404-SSS-IP, 600, |
| --- |

## 611     ISDN DID Station Lookup

```
Aristel ─

  611  DID  ST NNN-IP
  SSS

                    AV
```
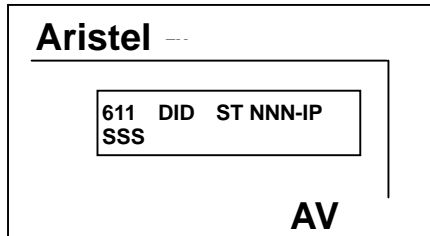
<--**Program Status Area**

<--NNN=DID Code

            =001~255**NOTE 36**

IP=Cursor Position

SSS=Station Number

Def.= [ 000 ]

**Description:**

The assigned station will be ringing if the DID Code is matched with the DID Code in **PROGRAM ZONE 610**.
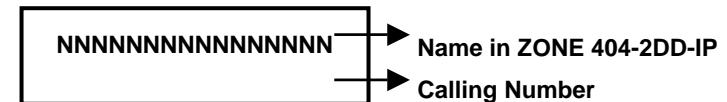
**NOTE 36:**

| ISDN DID Function | In AV-64 System | In AV-256 System |
|---|---|---|
| Without DID Name Display | NNN ➝ NN=01~99 | NNN=001~255 |
| With DID Name Display | NNN ➝ NN=01~99 | NNN=001~154 |
| | ZONE 404-SSS-IP **SSS = 201 ~ 299** | ZONE 404-SSS-IP **SSS = 201 ~ 354** |

will detect the **LAST 2 (or 3) DIGITS (DID Number)** of the called number.

**Step 2.** System will find the DID Number is assigned in which DID Code in **PROGRAM ZONE 610-NNN-IP** and compare with the DID Code in **PROGRAM ZONE 611-NNN-IP**. If there is any station assigned in **PROGRAM ZNE 611-NNN-IP**, then the call will ring to that assigned stations and proceed the Step 3; otherwise, the call will ring to the assigned stations in **PROGRAM ZONE 600 (or 601)**.

**Step 3.** If the assigned station is LCD Key Phone the system will go to **PROGRAM ZONE 404-SSS-IP** to find the Name assigned for that DID number and displays it on the LCD as the following:
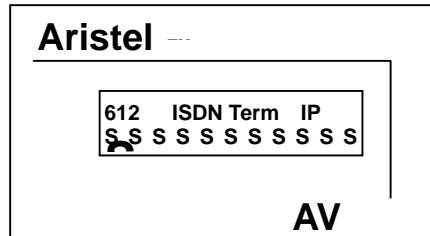
```
NNNNNNNNNNNNNNNNN ──► Name in ZONE 404-2DD-IP
                  ──► Calling Number
```

**Interrelation Zones:   Program  Zone  404-SSS-IP,  600, 601 604-CO-1 = 3 and   610**

**OPERATION EXAMPLE:**

**Step 1.** System receives a DID incoming call through the ISDN line

# 612    ISDN Termination

**Aristel** —

```
612    ISDN Term   IP
S S S S S S S S S S S
```
AV

<--**Program Status Area**

<--IP=CO Number**Refer to NOTE 32, Point 1.**

S=0 ~ 1

Def.= [ 00000000000 ]

**Description:**

**Multiple devices can share an ISDN cable (known as an S-Bus).    But**

**the last device must have a 'termination resistor' fitted. This helps**

**prevents errors on the cable, making the link more reliable.    And**

**because the A2DTKA card is likely to be the only device on the S-bus,**

**then by default they should have their 'termination resistor' fitted. The**

**A2DTKA has software control of the 'termination resistor.'    This**

**control is done through the AV-64 and AV-256 systems. Each S-bus**

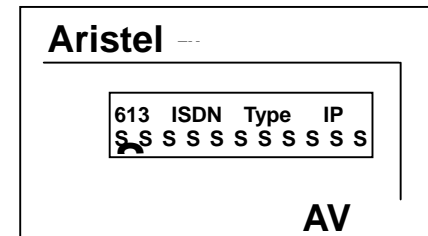**connection on the card can be controlled separately.**

(Only available in AV-64/AV-256)

0 = Un-terminated

1 = Terminated

**Interrelation Zones: None**

# 613    ISDN Type

**Aristel** —

```
613  ISDN   Type    IP
S S S S S S S S S S S
```
AV

<--**Program Status Area**

<--IP=CO Number**Refer to NOTE 32, Point 1.**

S=0 ~ 2

Def.= [ 0000000000 ]

**Description:**

The A2DTKA is designed to operate on different types of ISDN.

0 = Telstra MicroLink (Australian Specific Standard)

1 = Telstra OnRamp (EURO ISDN Standard)

2 = Taiwanese ISDN

NOTE 37:    **1.  You are recommended to setup "1" (default) first, if can not work then change to be "2", if still can not work then change to be "0". If all the above 3 setting values can not work in your location, please provide us your detail ISDN specification.**

2.  CO lines are paired to make an S-bus.    For example: if you set C03 to OnRamp, then you should also set CO4 to OnRamp.

**Interrelation Zones: None**

**614 ~ 699**       **Reserved For Future Use**